

INTERCONNECT DIAGRAMS
AND
INFORMATION FLOWS DIAGRAMS
(FROM TURBO ARCHITECTURE TOOL)

The diagrams in this file fall in alphabetical order by Stakeholder name, and the Stakeholders' respective Associated Architecture Element(s). Please follow that order to find a specific diagram.

As a general rule, the stakeholder/associated element for which the diagram represents, is shown in the upper left of the diagram; with the other related stakeholders/associated elements appearing below and to the right of the primary stakeholder/associated element.

For the more complex diagrams, the stakeholder/associated element for which the diagram represents is shown in the center of the diagram; with the other related stakeholders/associated elements surrounding the primary stakeholder/associated element.

Certain of the diagrams are very complex and have been inserted into this Appendix on 11x17 size paper. Even with this increase in paper size some of those diagrams are not readable at this size. Wherever this is the case, those diagrams have been plotted in a large "engineering drawing" format (D (22"x34") or E (34"x44") size, as appropriate) and distributed to the directly affected Stakeholders. These plots can also be made available for viewing to other interested Stakeholders in the.

AC Transit.....	1
AC Transit Next Bus Arrival System	1
AC Transit.....	2
AC Transit Next Bus Arrival System	2
AC Transit.....	3
AC Transit Operations System	3
AC Transit.....	4
AC Transit Operations System	4
AC Transit.....	5
AC Transit Vehicles.....	5
AC Transit.....	6
AC Transit Vehicles.....	6
Alameda County Congestion Management Agency.....	7
East Bay SMART Corridor Info Service Provider	7
Alameda County Congestion Management Agency.....	8
East Bay SMART Corridor Info Service Provider	8
Alameda County Congestion Management Agency.....	9
East Bay SMART Corridor Roadside Equipment	9
Alameda County Congestion Management Agency.....	10
East Bay SMART Corridor Roadside Equipment	10
Alameda County Congestion Management Agency.....	11
East Bay SMART Corridor ATMS.....	11
Alameda County Congestion Management Agency.....	12
East Bay SMART Corridor ATMS.....	12
Bay Area Rapid Transit District	13
BART Message Station System.....	13
Bay Area Rapid Transit District	14
BART Message Station System.....	14
Bay Area Rapid Transit District	15
BART Transit/Rail Operations System	15
Bay Area Rapid Transit District	16
BART Transit/Rail Operations System	16
Bay Area Rapid Transit District	17
BART Vehicles.....	17
Bay Area Rapid Transit District	18
BART Vehicles.....	18
Bay Area Rapid Transit District	19
BART Website (Public).....	19
Bay Area Rapid Transit District	20
BART Website (Public).....	20
California Department of Motor Vehicles (DMV)	21
CVO Administration (Pre-Pass)	21
California Department of Motor Vehicles (DMV)	22
CVO Administration (Pre-Pass)	22

California Highway Patrol	23
CHP Computer Aided Dispatch.....	23
California Highway Patrol	24
CHP Computer Aided Dispatch.....	24
California Highway Patrol	25
CHP Vehicles.....	25
California Highway Patrol	26
CHP Vehicles.....	26
California Highway Patrol	27
911 Call Center (cellular) Dispatch	27
California Highway Patrol	28
911 Call Center (cellular) Dispatch	28
Caltrain.....	29
Caltrain Rail Center Next Train Displays.....	29
Caltrain.....	30
Caltrain Rail Center Next Train Displays.....	30
Caltrain.....	31
Caltrain Rail Operations System.....	31
Caltrain.....	32
Caltrain Rail Operations System.....	32
Caltrain.....	33
Caltrain Vehicles.....	33
Caltrain.....	34
Caltrain Vehicles.....	34
Caltrans District 4 (Electronic Tolling)	35
Caltrans FasTrak System	35
Caltrans District 4 (Electronic Tolling)	36
Caltrans FasTrak System	36
Caltrans District 4 (Electronic Tolling)	37
Caltrans FasTrak Toll Equipment.....	37
Caltrans District 4 (Electronic Tolling)	38
Caltrans FasTrak Toll Equipment.....	38
Caltrans District 4 (Traffic Operations).....	39
Caltrans D-4 Transportation Management System.....	39
Caltrans District 4 (Traffic Operations).....	40
Caltrans D-4 Transportation Management System.....	40
Caltrans District 4 (Traffic Operations).....	41
Bay Area Incident Response System (BAIRS).....	41
Caltrans District 4 (Traffic Operations).....	42
Caltrans District 4 (Traffic Operations).....	43
Caltrans D-4 Maintenance Vehicles	43
Caltrans District 4 (Traffic Operations).....	44
Caltrans D-4 Maintenance Vehicles	44
Caltrans District 4 (Traffic Operations).....	45
Caltrans D-4 TMC Roadside Equipment (TOS).....	45
Caltrans District 4 (Traffic Operations).....	46

Caltrans D-4 TMC Roadside Equipment (TOS).....	46
Caltrans Headquarters	47
CVO Weigh Stations (Pre-Pass)	47
Caltrans Headquarters	48
CVO Weigh Stations (Pre-Pass)	48
City of Antioch	49
SR 4 East SMART Corridor Roadside Equipment.....	49
City of Antioch	50
SR 4 East SMART Corridor Roadside Equipment.....	50
City of Antioch	51
SR 4 East SMART Corridor ATMS	51
City of Antioch	52
SR 4 East SMART Corridor ATMS	52
City of Concord.....	53
Concord - Walnut Creek - Pleasant Hill SMART Corridor Roadside Equipment	53
City of Concord.....	54
Concord - Walnut Creek - Pleasant Hill SMART Corridor Roadside Equipment	54
City of Concord.....	55
Concord - Walnut Creek - Pleasant Hill SMART Corridor ATMS.....	55
City of Concord.....	56
Concord - Walnut Creek - Pleasant Hill SMART Corridor ATMS.....	56
City of Fairfield.....	57
Suisun - Fairfield - Vacaville SMART Corridor Roadside Equipment	57
City of Fairfield.....	58
Suisun - Fairfield - Vacaville SMART Corridor Roadside Equipment	58
City of Fairfield.....	59
Suisun - Fairfield - Vacaville SMART Corridor ATMS	59
City of Fairfield.....	60
Suisun - Fairfield - Vacaville SMART Corridor ATMS	60
City of Oakland.....	61
Oakland Transportation Management System.....	61
City of Oakland.....	62
Oakland Transportation Management System.....	62
City of Oakland.....	63
Oakland TMC Roadside Equipment.....	63
City of Oakland.....	64
Oakland TMC Roadside Equipment.....	64
City of Pleasanton.....	65
I-580 SMART Corridor ATMS Roadside Equipment.....	65
City of Pleasanton.....	66
I-580 SMART Corridor ATMS Roadside Equipment.....	66
City of Pleasanton.....	67
I-580 SMART Corridor ATMS	67
City of Pleasanton	68
I-580 SMART Corridor ATMS	68
City of San Jose	69

San Jose Transportation Management System	69
City of San Jose	70
San Jose Transportation Management System	70
City of San Jose	71
San Jose TMC Roadside Equipment.....	71
City of San Jose	72
San Jose TMC Roadside Equipment.....	72
City of San Jose	73
Silicon Valley SMART Corridor Roadside Equipment.....	73
City of San Jose	74
Silicon Valley SMART Corridor Roadside Equipment.....	74
City of San Jose	75
Silicon Valley SMART Corridor ATMS.....	75
City of San Jose	76
Silicon Valley SMART Corridor ATMS.....	76
City/County of San Francisco	77
Combined City/County Emergency Services Center.....	77
City/County of San Francisco	78
Combined City/County Emergency Services Center.....	78
City/County of San Francisco	79
Combined City/County Emergency Vehicles	79
City/County of San Francisco	80
Combined City/County Emergency Vehicles	80
City/County of San Francisco	81
SFgo Roadside Equipment.....	81
City/County of San Francisco	82
SFgo Roadside Equipment.....	82
City/County of San Francisco	83
SFgo Transportation Management System.....	83
City/County of San Francisco	84
SFgo Transportation Management System.....	84
City/County of San Francisco	85
MUNI Kiosks.....	85
City/County of San Francisco	86
MUNI Kiosks.....	86
City/County of San Francisco	87
MUNI Transit Operations System	87
City/County of San Francisco	88
MUNI Transit Operations System	88
City/County of San Francisco	89
MUNI Vehicles	89
City/County of San Francisco	90
MUNI Vehicles	90
Financial Institutions.....	91
Financial Institutions.....	91
Financial Institutions.....	92

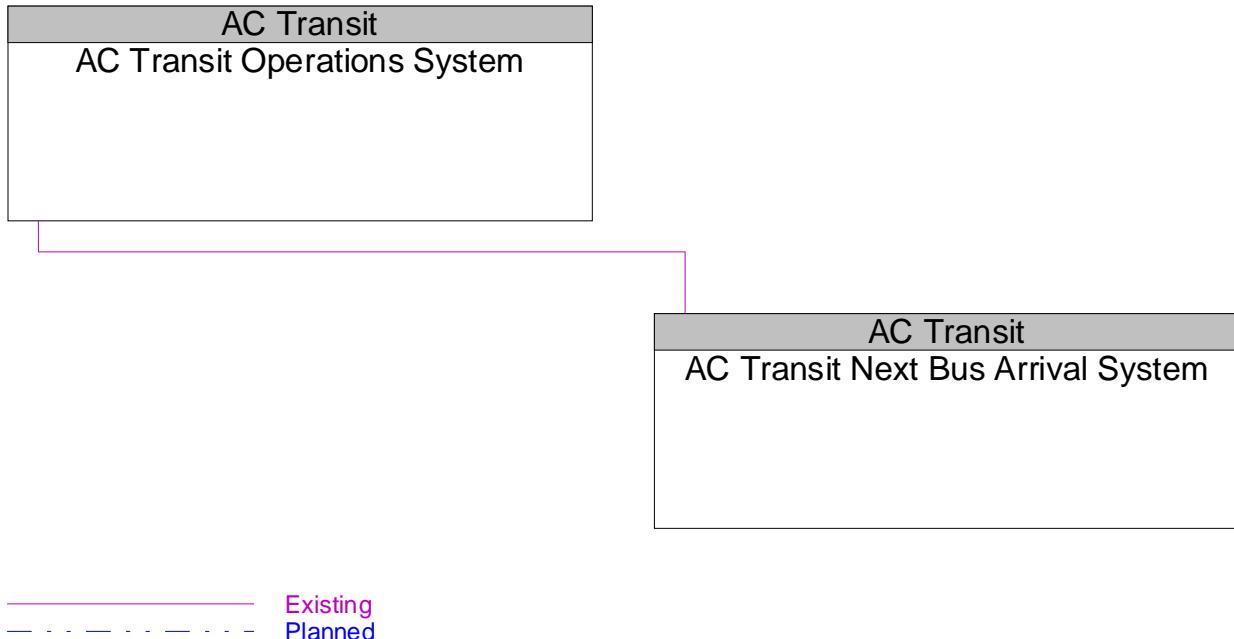
Financial Institutions.....	92
Golden Gate Bridge Highway and Transportation District	93
GGBHTD Toll Authority/FasTrak System.....	93
Golden Gate Bridge Highway and Transportation District	94
GGBHTD Toll Authority/FasTrak System.....	94
Golden Gate Bridge Highway and Transportation District	95
GGBHTD Toll Collection/FasTrak Field Equipment.....	95
Golden Gate Bridge Highway and Transportation District	96
GGBHTD Toll Collection/FasTrak Field Equipment.....	96
Golden Gate Bridge Highway and Transportation District	97
Golden Gate Transit Operations System.....	97
Golden Gate Bridge Highway and Transportation District	98
Golden Gate Transit Operations System.....	98
Golden Gate Bridge Highway and Transportation District	99
Golden Gate Transit Vehicles.....	99
Golden Gate Bridge Highway and Transportation District	100
Golden Gate Transit Vehicles	100
Media	101
Media	101
Media	102
Media	102
Metropolitan Transportation Commission	103
TravInfo and Regional Archive System	103
Metropolitan Transportation Commission	104
TravInfo and Regional Archive System	104
Metropolitan Transportation Commission	105
TravInfo and Regional Archive System	105
Metropolitan Transportation Commission	106
Freeway Service Patrol (FSP).....	106
Metropolitan Transportation Commission	107
Freeway Service Patrol (FSP).....	107
Metropolitan Transportation Commission	108
FSP Tow Trucks	108
Metropolitan Transportation Commission	109
FSP Tow Trucks	109
Metropolitan Transportation Commission	110
511 System.....	110
Metropolitan Transportation Commission	111
511 System.....	111
Metropolitan Transportation Commission	112
511 Webpage and Personal Info Access System	112
Metropolitan Transportation Commission	113
511 Webpage and Personal Info Access System	113
Metropolitan Transportation Commission	114
TransLink Field Equipment (Kiosks)	114
Metropolitan Transportation Commission	115

TransLink Field Equipment (Kiosks)	115
Metropolitan Transportation Commission	116
TravInfo Roadside Equipment	116
Metropolitan Transportation Commission	117
TravInfo Roadside Equipment	117
Metropolitan Transportation Commission	118
Bay Area Toll Authority Administration/FasTrak System	118
Metropolitan Transportation Commission	119
Bay Area Toll Authority Administration/FasTrak System	119
Metropolitan Transportation Commission	120
Regional Transit Information System (RTIS)	120
Metropolitan Transportation Commission	121
Regional Transit Information System (RTIS)	121
Metropolitan Transportation Commission	122
TransLink System	122
Metropolitan Transportation Commission	123
TransLink System	123
Metropolitan Transportation Commission	124
Bay Area Call Box Call Answering Center (CAC)	124
Metropolitan Transportation Commission	125
Bay Area Call Box Call Answering Center (CAC)	125
Partners for Advanced Transit and Highways	126
Performance Monitoring System (PeMS)	126
Partners for Advanced Transit and Highways	127
Performance Monitoring System (PeMS)	127
Private Truck Drivers	128
Commercial Vehicles	128
Private Truck Drivers	129
Commercial Vehicles	129
San Mateo County Transit District	130
SamTrans Transit Operations System	130
San Mateo County Transit District	131
SamTrans Transit Operations System	131
San Mateo County Transit District	132
SamTrans Vehicles (Buses and Paratransit)	132
San Mateo County Transit District	133
SamTrans Vehicles (Buses and Paratransit)	133
Santa Clara Valley Transportation Authority	134
VTA Transit Operations System	134
Santa Clara Valley Transportation Authority	135
VTA Transit Operations System	135
Santa Clara Valley Transportation Authority	136
VTA Vehicles	136
Santa Clara Valley Transportation Authority	137
VTA Vehicles	137
Sub-Regional and Local Cities/Counties	138

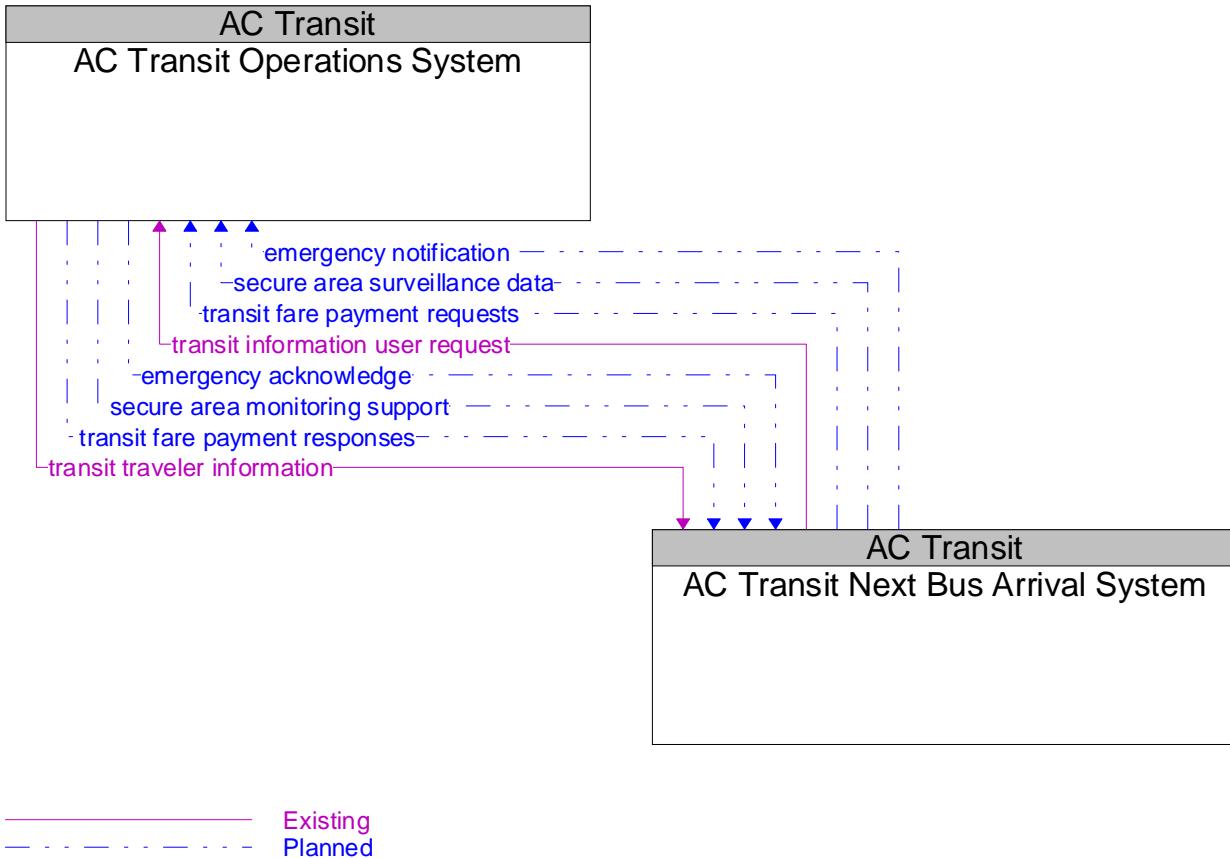
Sub-regional and Local City/County Fire Department Systems.....	138
Sub-Regional and Local Cities/Counties	139
Sub-regional and Local City/County Fire Department Systems.....	139
Sub-Regional and Local Cities/Counties	140
Sub-regional and Local City/County Fire Dept Emergency Vehicles.....	140
Sub-Regional and Local Cities/Counties	141
Sub-regional and Local City/County Fire Dept Emergency Vehicles.....	141
Sub-Regional and Local Cities/Counties	142
Sub-regional and Local City/County Police/Sheriff Department Systems.....	142
Sub-Regional and Local Cities/Counties	143
Sub-regional and Local City/County Police/Sheriff Department Systems.....	143
Sub-Regional and Local Cities/Counties	144
Sub-regional and Local City/County Police/Sheriff Vehicles	144
Sub-Regional and Local Cities/Counties	145
Sub-regional and Local City/County Police/Sheriff Vehicles	145
Sub-Regional and Local Cities/Counties	146
Sub-regional and Local City/County Roadside Equipment.....	146
Sub-Regional and Local Cities/Counties	147
Sub-regional and Local City/County Roadside Equipment.....	147
Sub-Regional and Local Cities/Counties	148
Sub-regional and Local City/County Traffic Operations Systems	148
Sub-Regional and Local Cities/Counties	149
Sub-regional and Local City/County Traffic Operations Systems	149
Sub-Regional and Local Cities/Counties	150
Sub-regional and Local City/County Transit Operations Systems	150
Sub-Regional and Local Cities/Counties	151
Sub-regional and Local City/County Transit Operations Systems	151
Sub-Regional and Local Cities/Counties	152
Sub-regional and Local City/County Transit Vehicles	152
Sub-Regional and Local Cities/Counties	153
Sub-regional and Local City/County Transit Vehicles	153
Sub-Regional and Local Cities/Counties	154
911 Call Center (land line) Dispatch	154
Sub-Regional and Local Cities/Counties	155
911 Call Center (land line) Dispatch	155
Transit Agencies	156
Kiosks (transit).....	156
Transit Agencies	157
Kiosks (transit).....	157
Traveling Public (Commuters) @ Large	158
User Personal Computing Devices	158
Traveling Public (Commuters) @ Large	159
User Personal Computing Devices	159
Traveling Public (Commuters) @ Large	160
Personal Vehicles with toll tags (FasTrak)	160
Traveling Public (Commuters) @ Large	161

Personal Vehicles with toll tags (FasTrak)	161
Various Rail Owners - Operators.....	162
Commuter Rail Operations System	162
Various Rail Owners - Operators.....	163
Commuter Rail Operations System	163
Various Rail Owners - Operators.....	164
Commuter Rail Operations Transit Vehicle	164
Various Rail Owners - Operators.....	165
Commuter Rail Operations Transit Vehicle	165

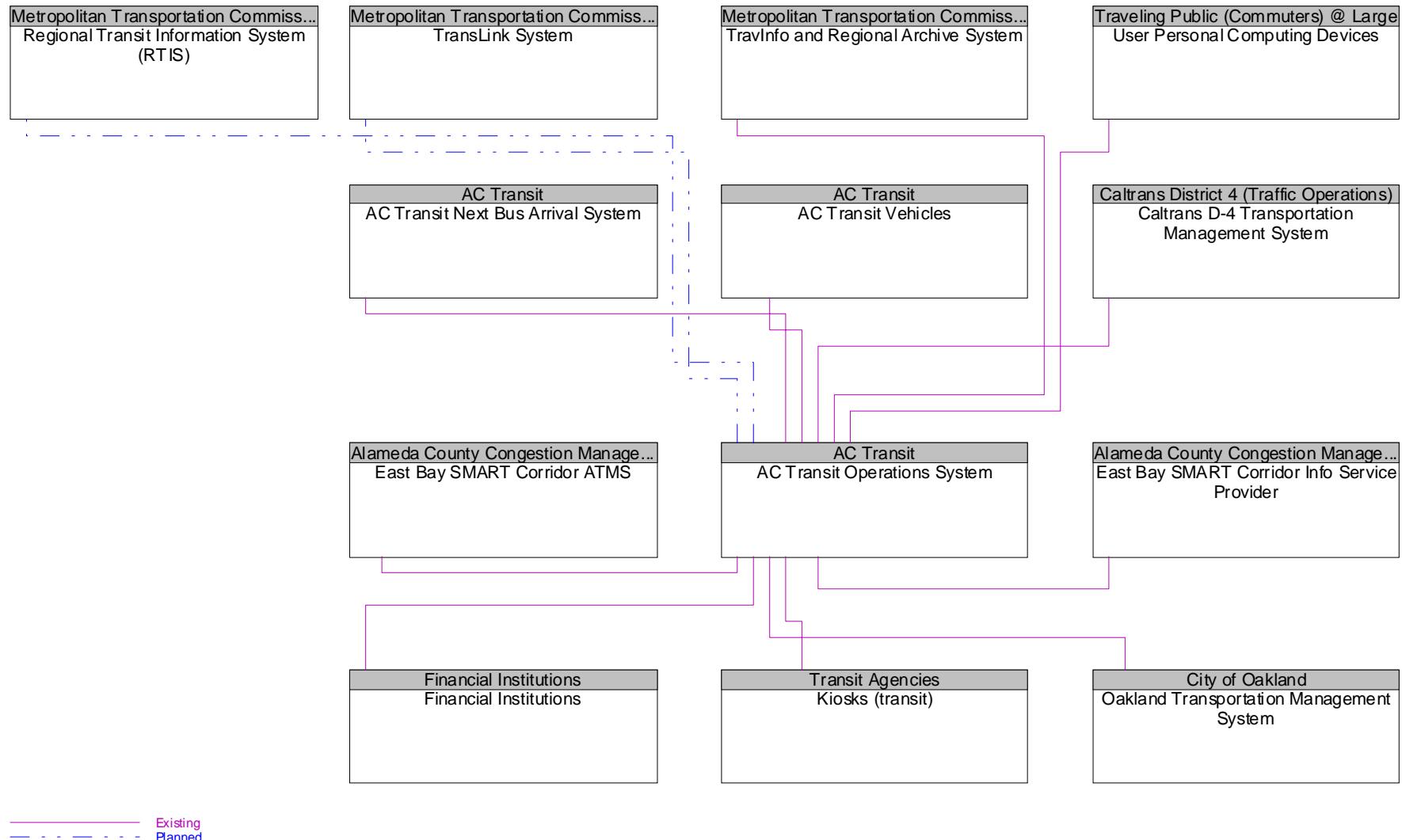
Stakeholder: **AC Transit**
Architecture Element: **AC Transit Next Bus Arrival System**
Interconnect Diagram



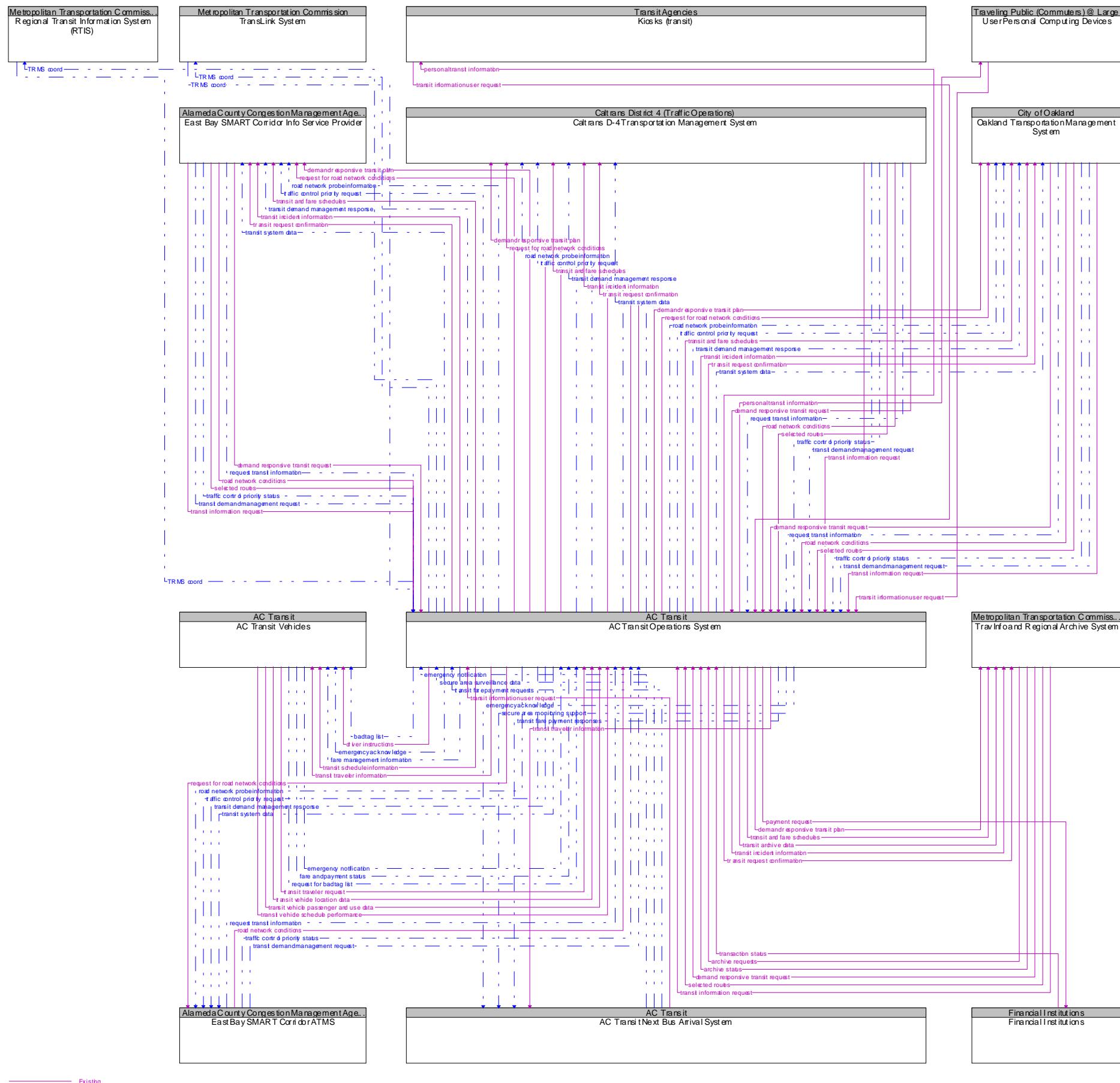
Stakeholder: **AC Transit**
 Architecture Element: **AC Transit Next Bus Arrival System**
Information Flows Diagram



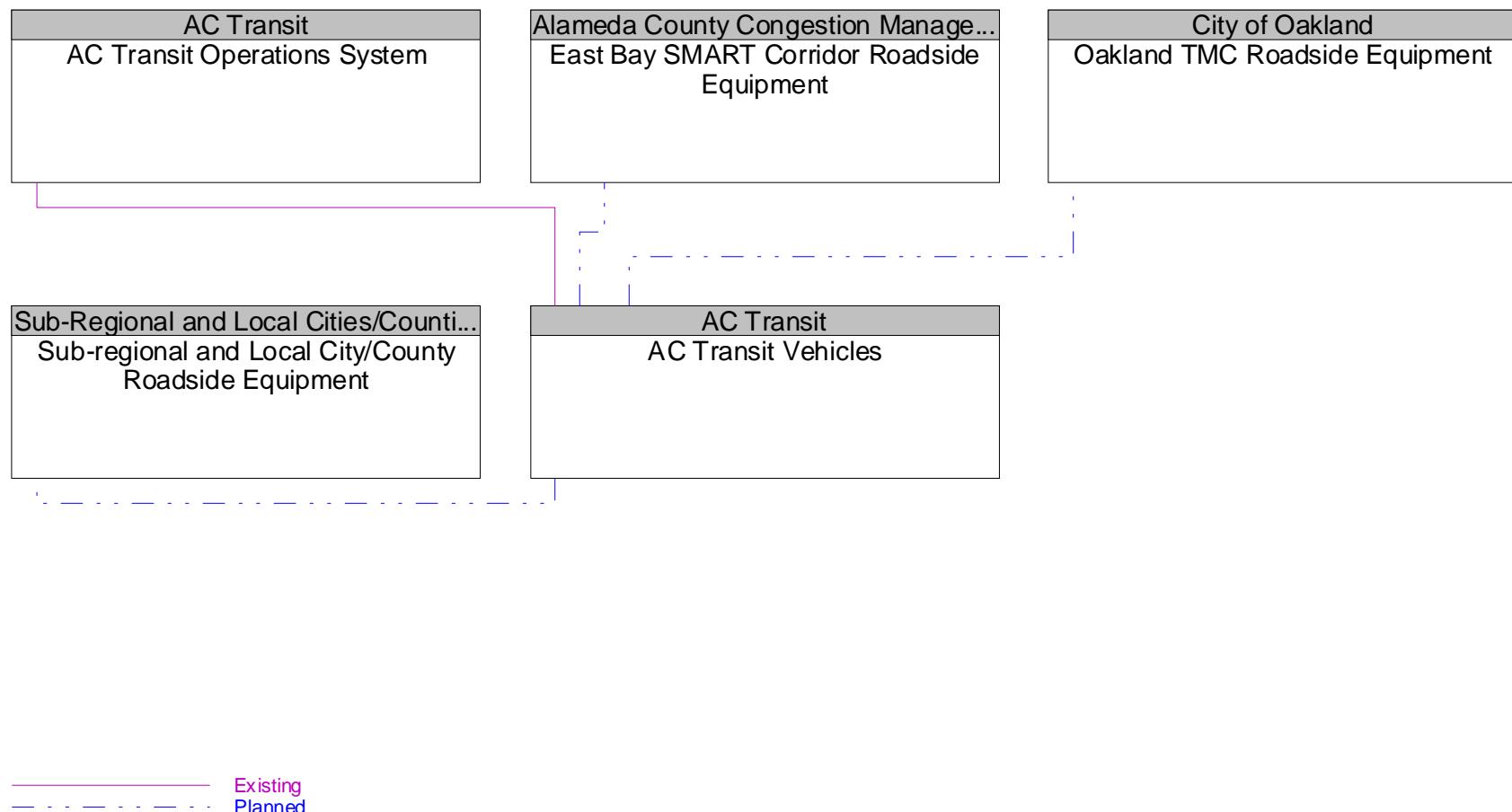
Stakeholder: **AC Transit**
 Architecture Element: **AC Transit Operations System**
Interconnect Diagram



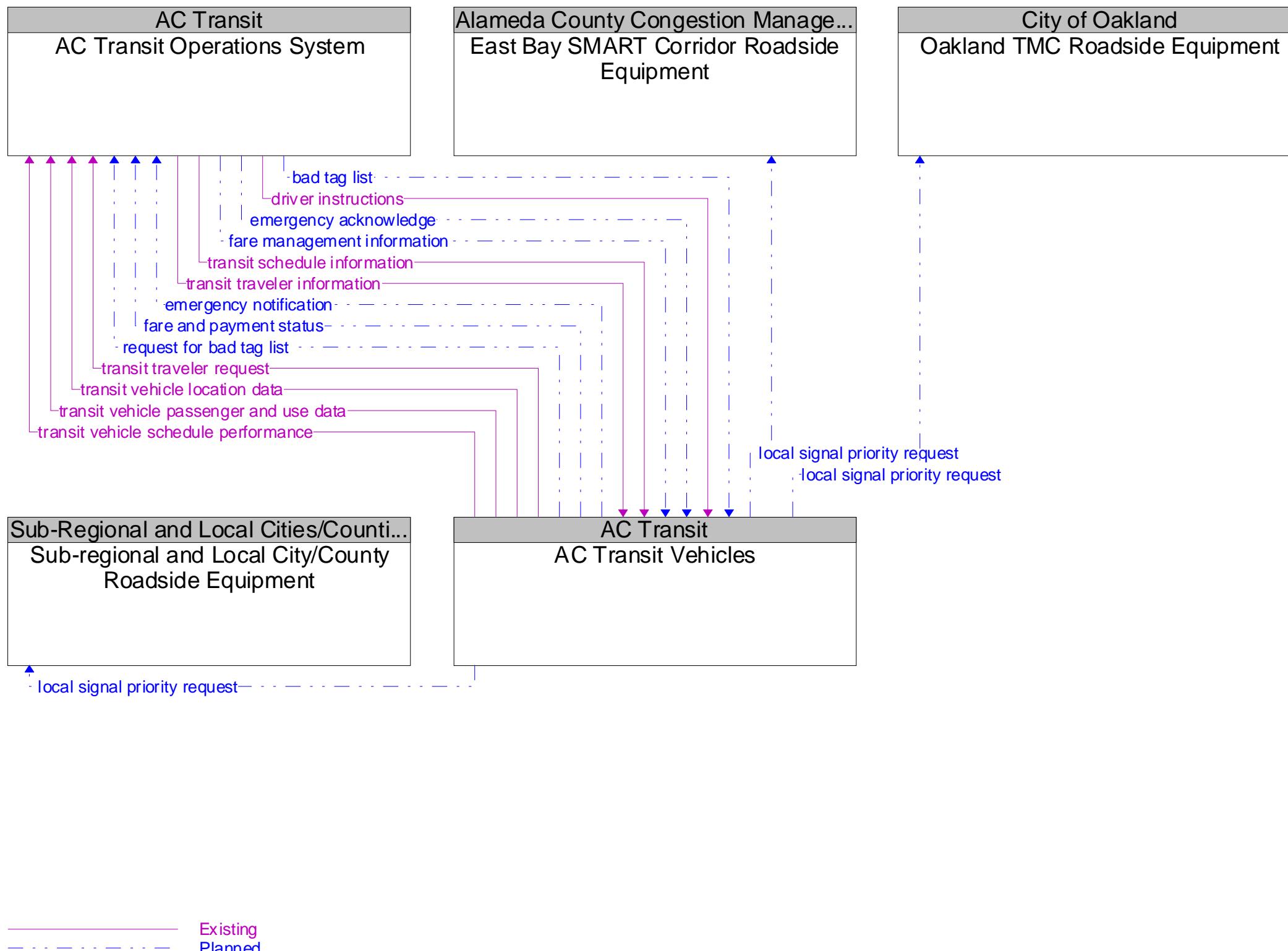
Stakeholder: AC Transit
Architecture Element: AC Transit Operations System
Information Flows Diagram



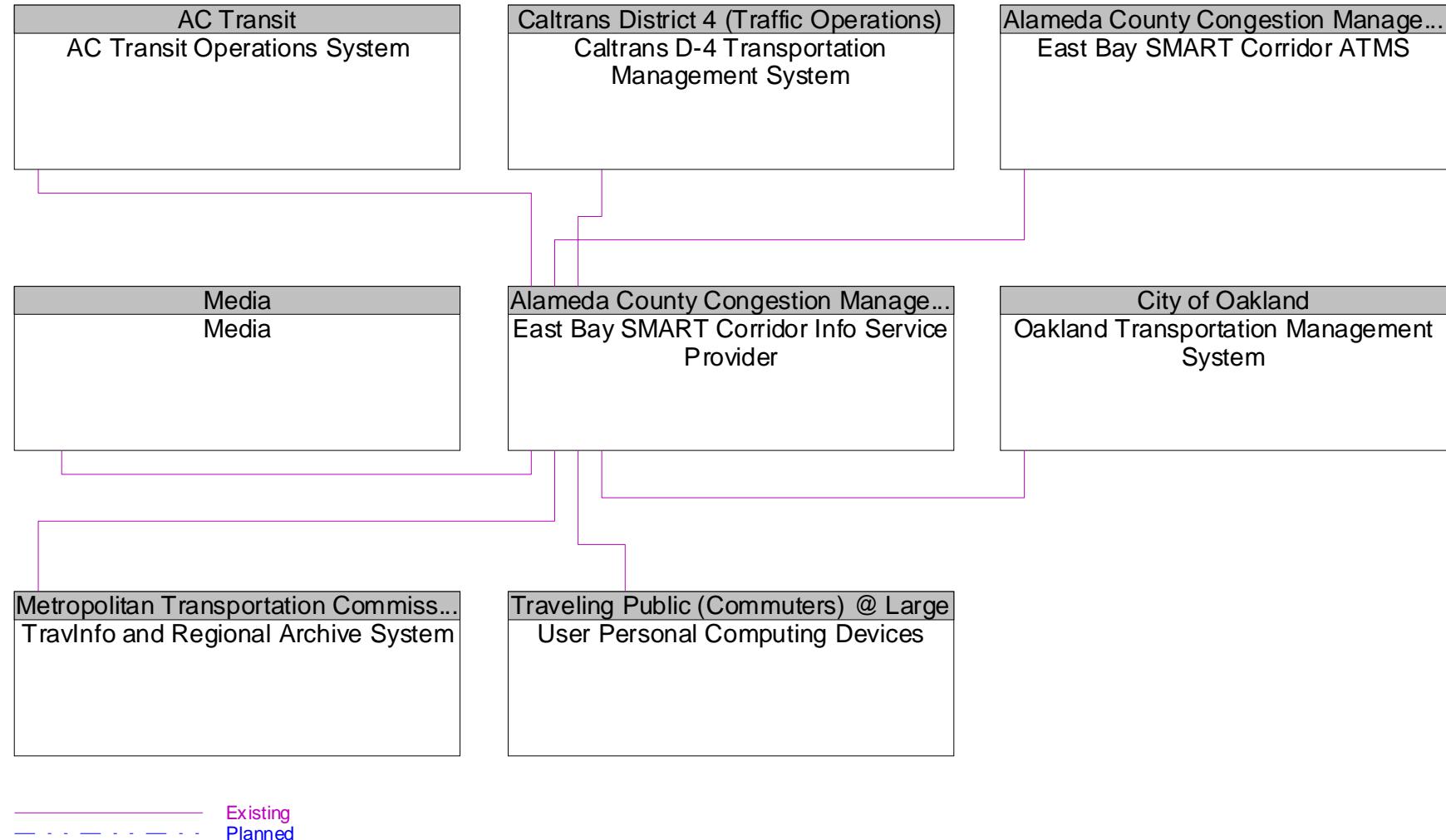
Stakeholder: **AC Transit**
Architecture Element: **AC Transit Vehicles**
Interconnect Diagram



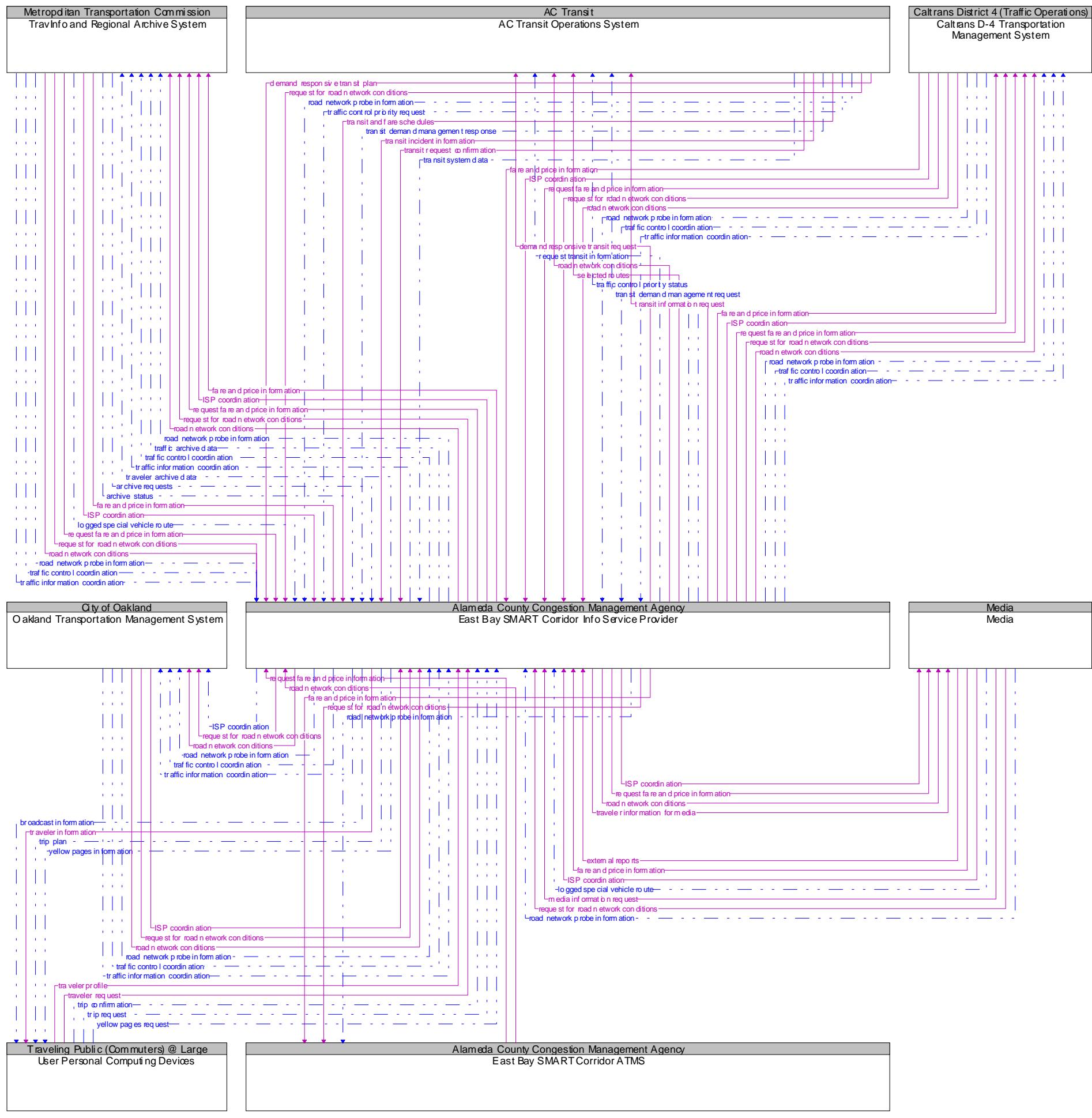
Stakeholder: **AC Transit**
 Architecture Element: **AC Transit Vehicles**
Information Flows Diagram



Stakeholder: Alameda County Congestion Management Agency
Architecture Element: East Bay SMART Corridor Info Service Provider

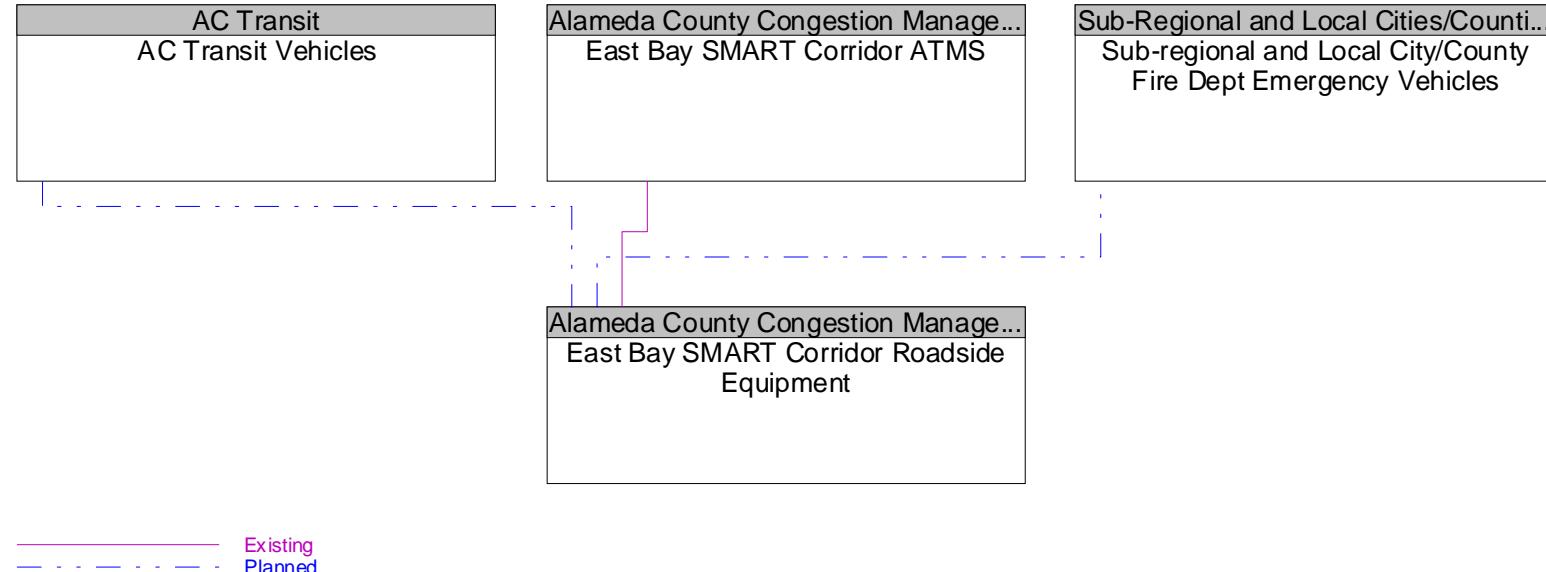
Interconnect Diagram

Stakeholder: Alameda County Congestion Management Agency
Architecture Element: East Bay SMART Corridor Info Service Provider
Information Flows Diagram

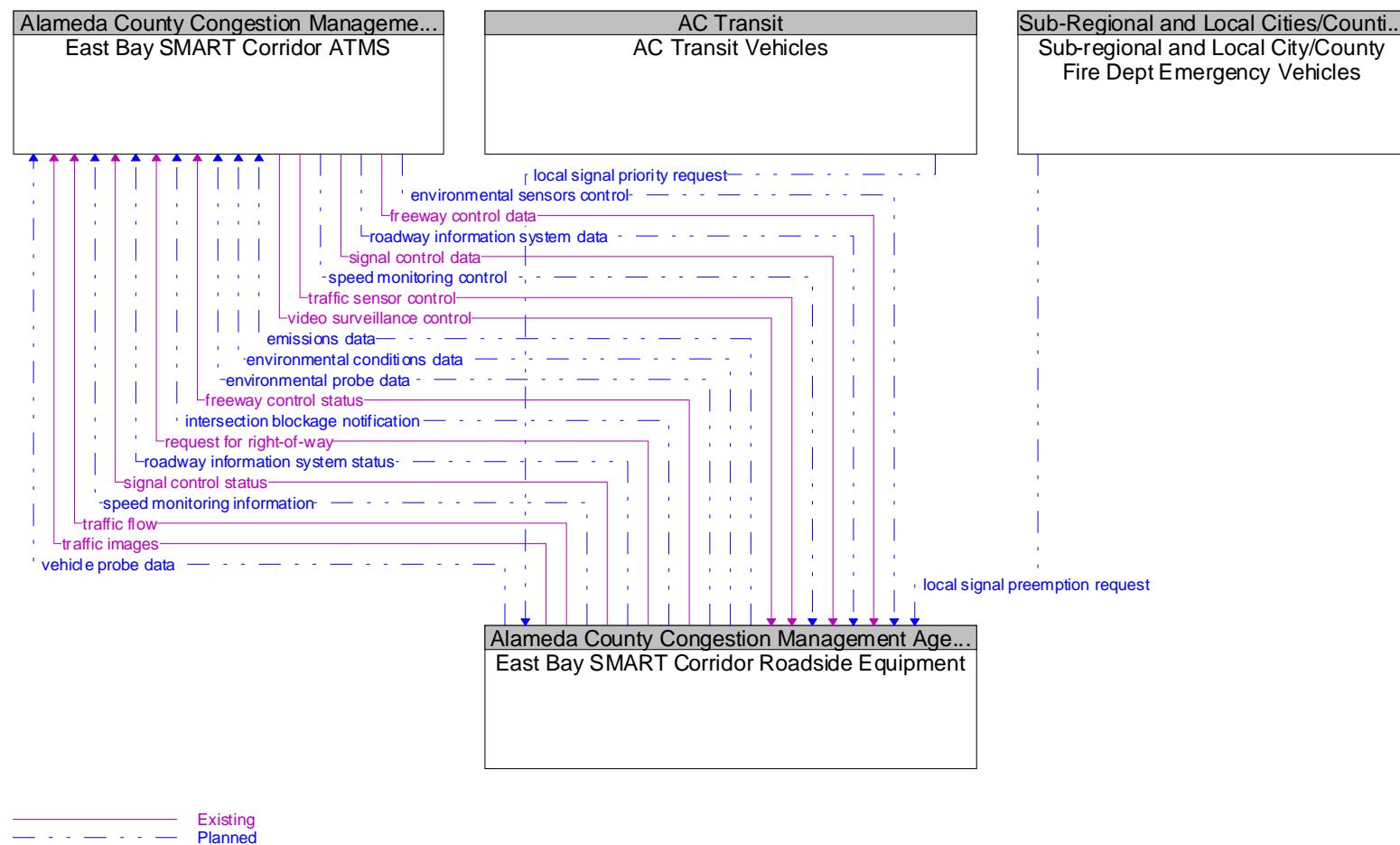


Stakeholder: **Alameda County Congestion Management Agency**
Architecture Element: **East Bay SMART Corridor Roadside Equipment**

Interconnect Diagram

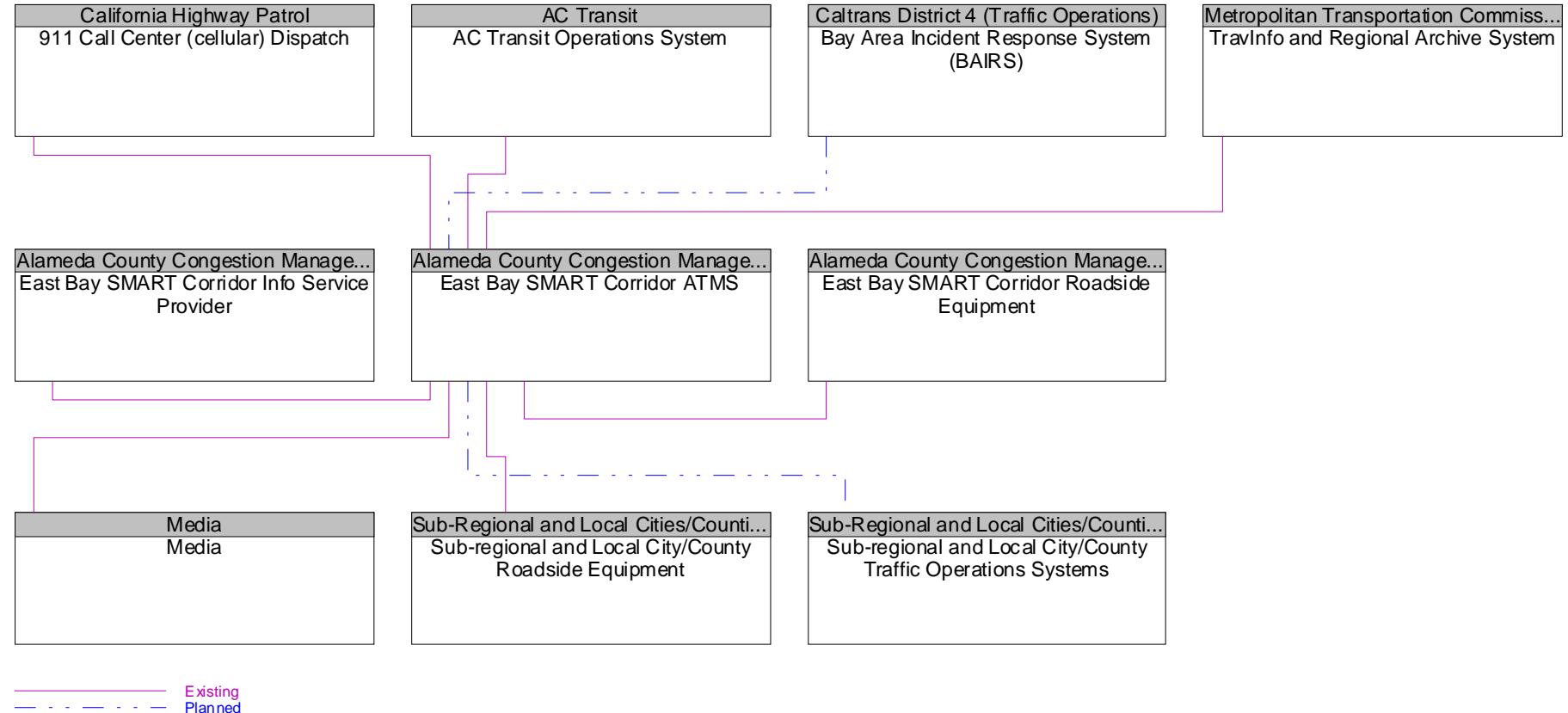


Stakeholder: Alameda County Congestion Management Agency
 Architecture Element: East Bay SMART Corridor Roadside Equipment
Information Flows Diagram



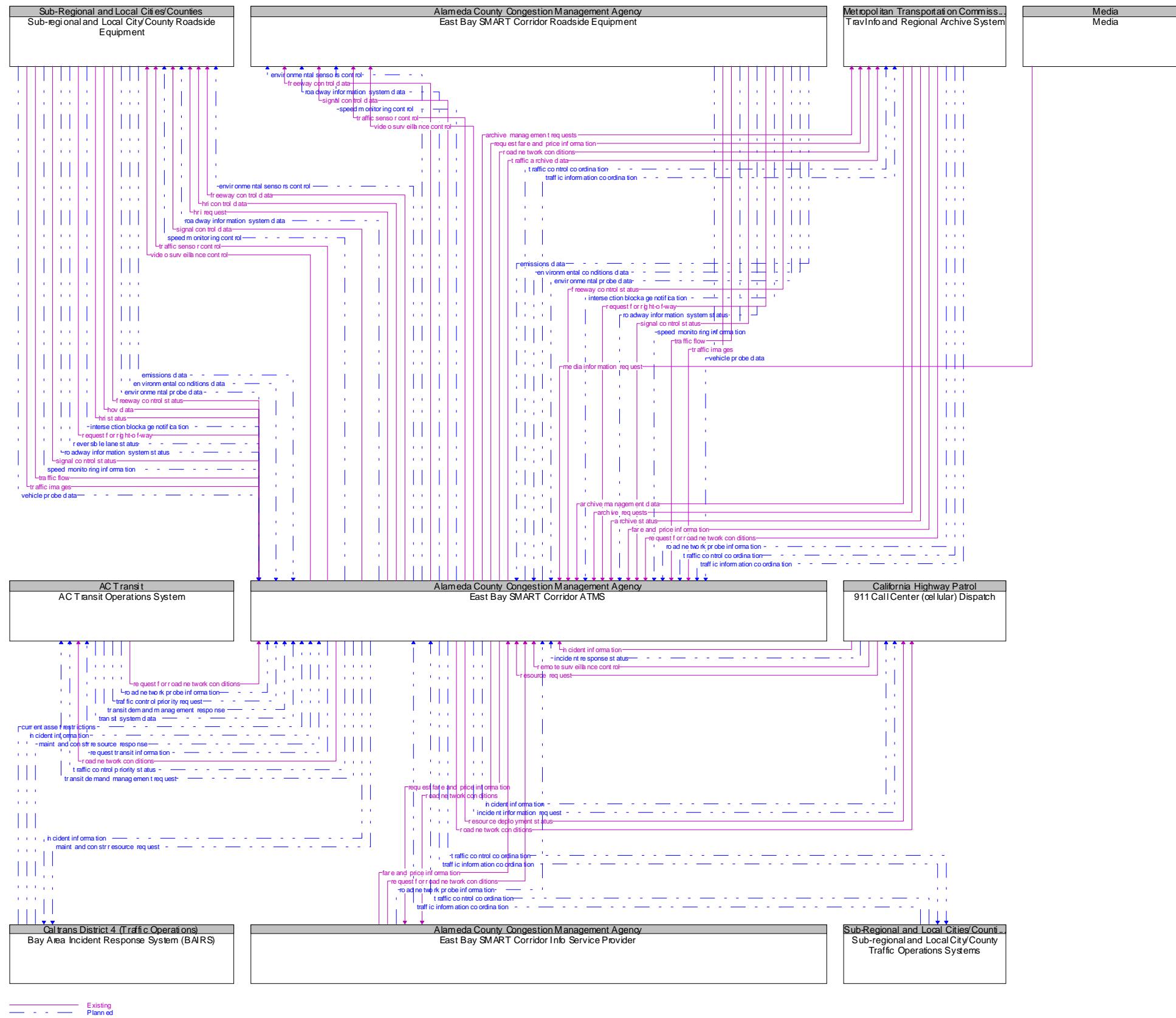
Stakeholder: **Alameda County Congestion Management Agency**
 Architecture Element: **East Bay SMART Corridor ATMS**

Interconnect Diagram

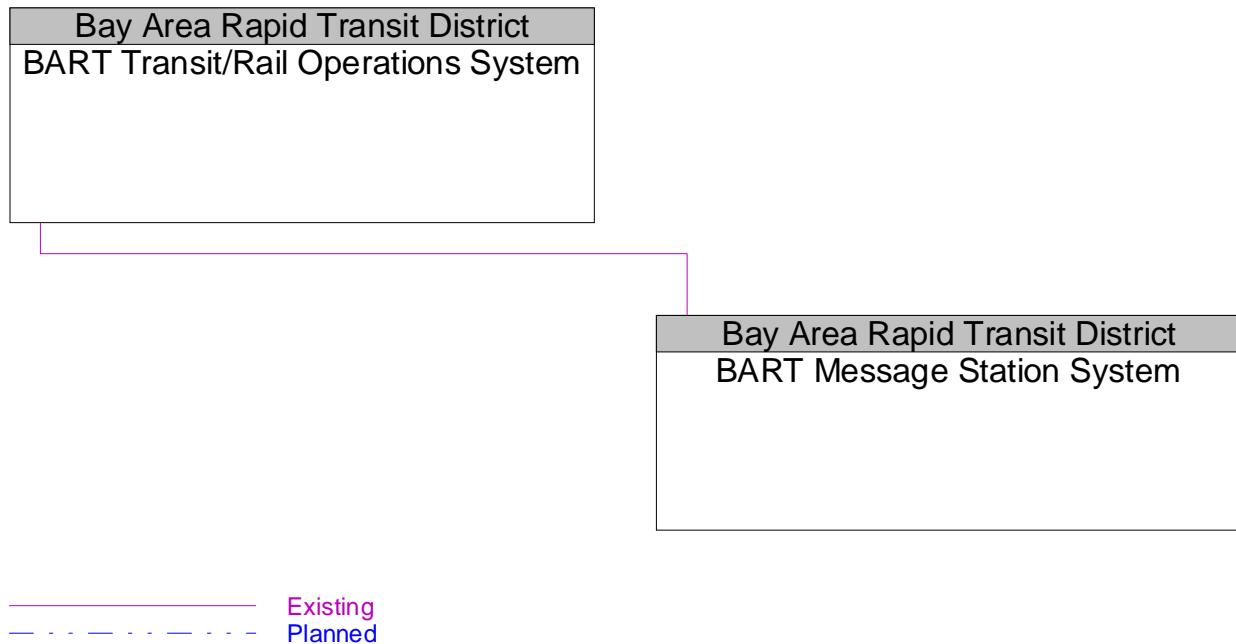


Magenta line: Existing
 Blue line: Planned

Stakeholder: **Alameda County Congestion Management Agency**
 Architecture Element: **East Bay SMART Corridor ATMS**
Information Flows Diagram



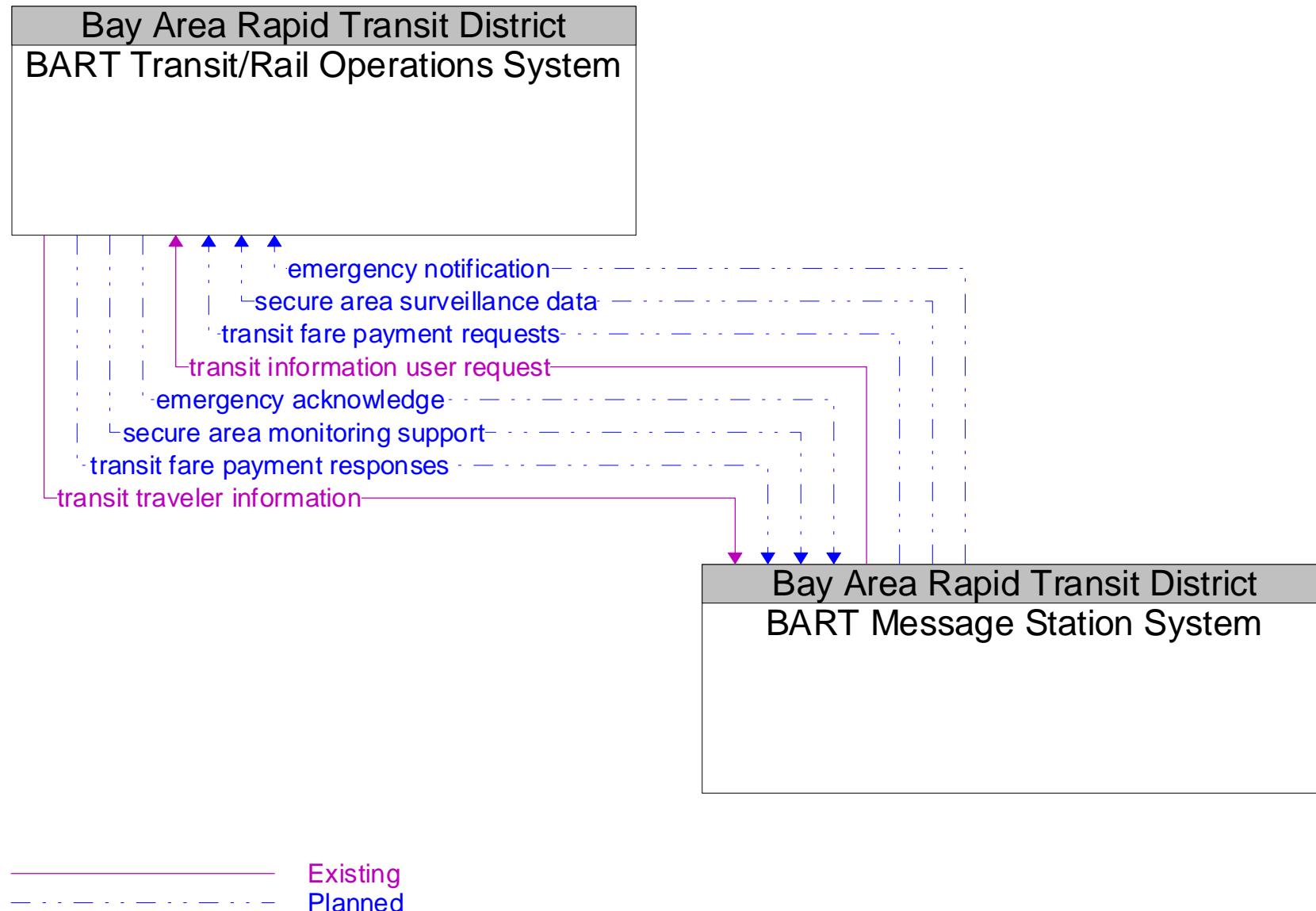
Stakeholder: **Bay Area Rapid Transit District**
Architecture Element: **BART Message Station System**
Interconnect Diagram



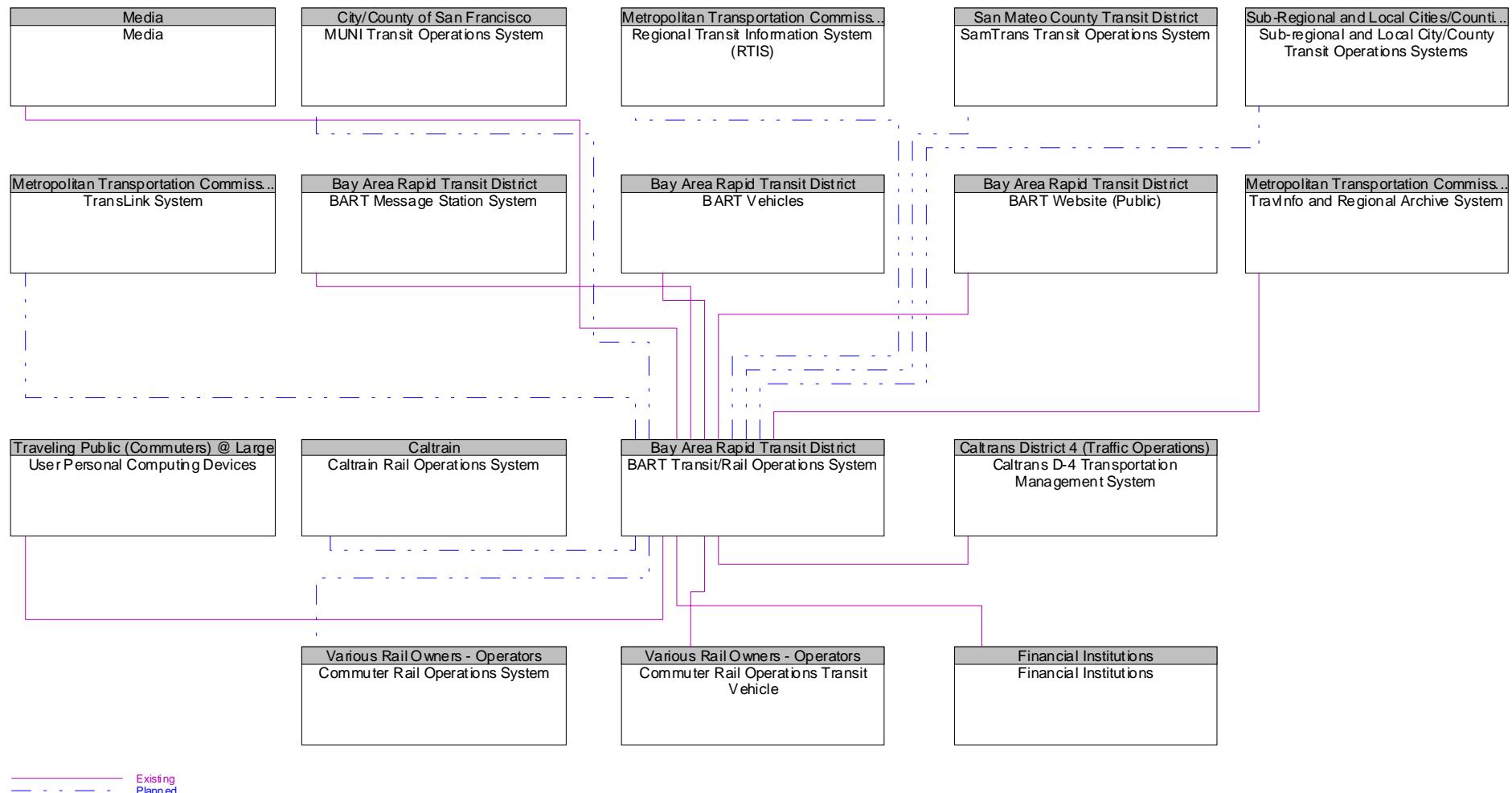
Stakeholder: Bay Area Rapid Transit District

Architecture Element: BART Message Station System

Information Flows Diagram



Stakeholder:
Architecture Element:
Interconnect Diagram

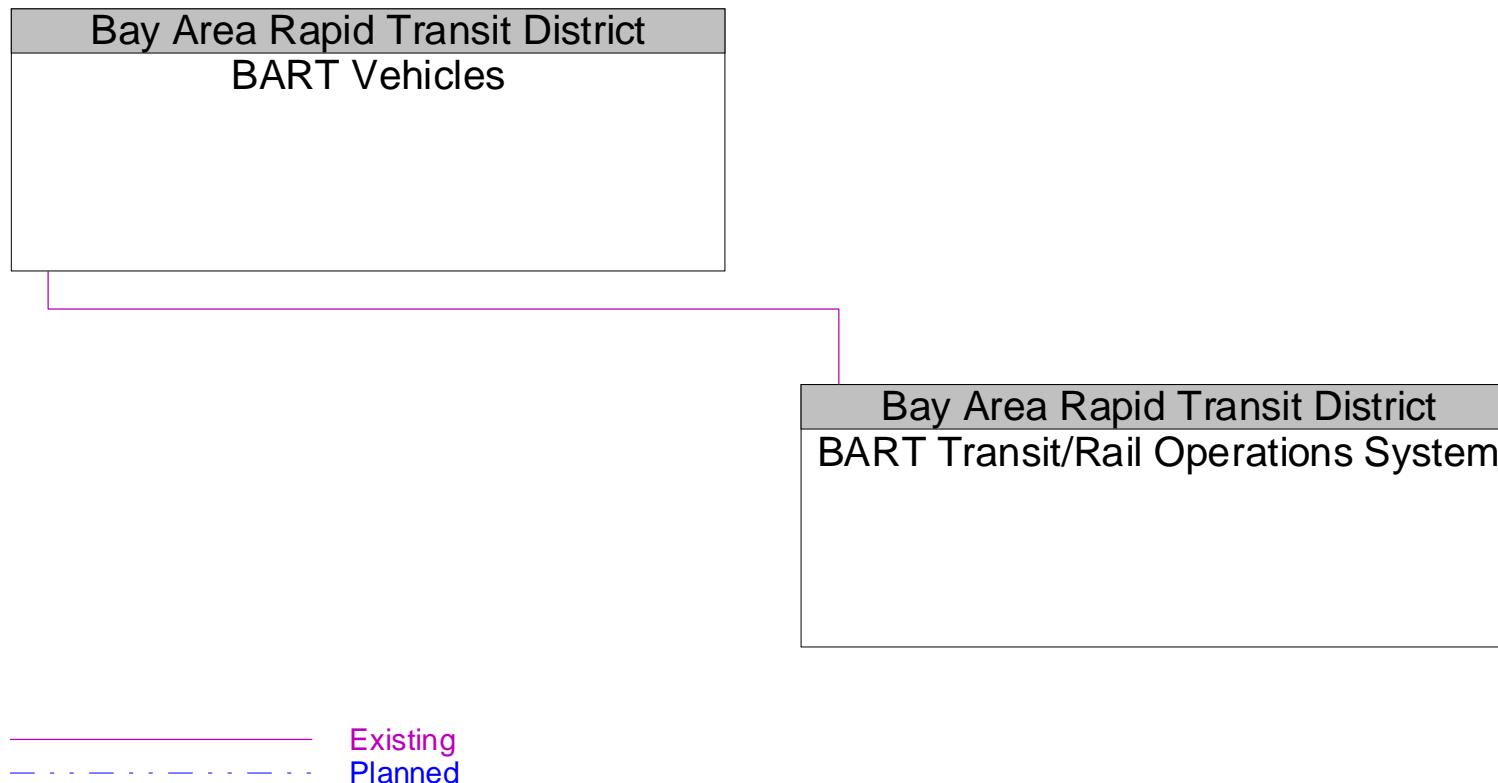


Stakeholder: **Bay Area Rapid Transit District**
 Architecture Element: **BART Transit/Rail Operations System**
Information Flows Diagram



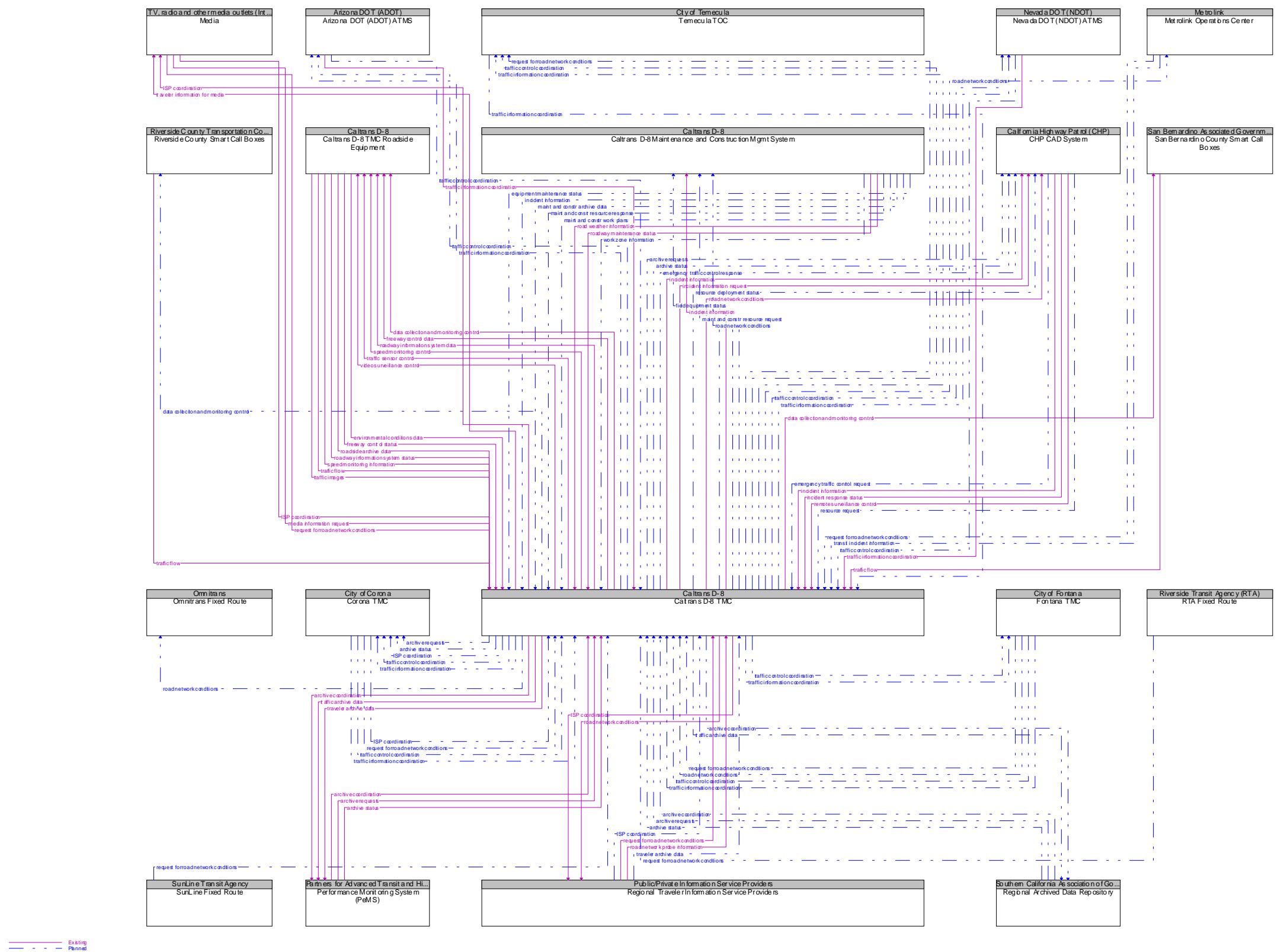
— Existing
— Planned

Stakeholder: **Bay Area Rapid Transit District**
Architecture Element: **BART Vehicles**
Interconnect Diagram



Stakeholder: Bay Area Rapid Transit District
Architecture Element: BART Vehicles

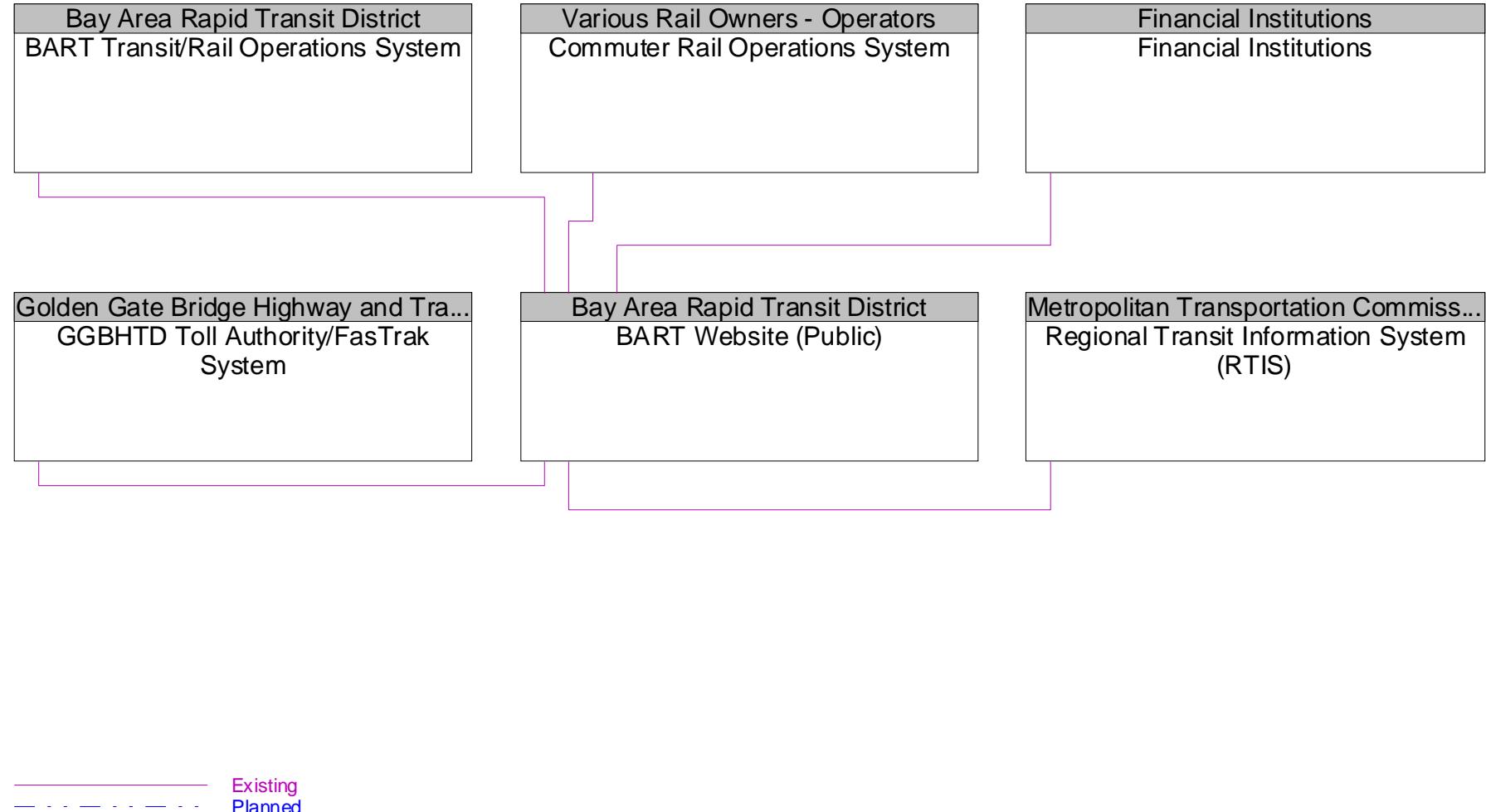
Information Flows Diagram



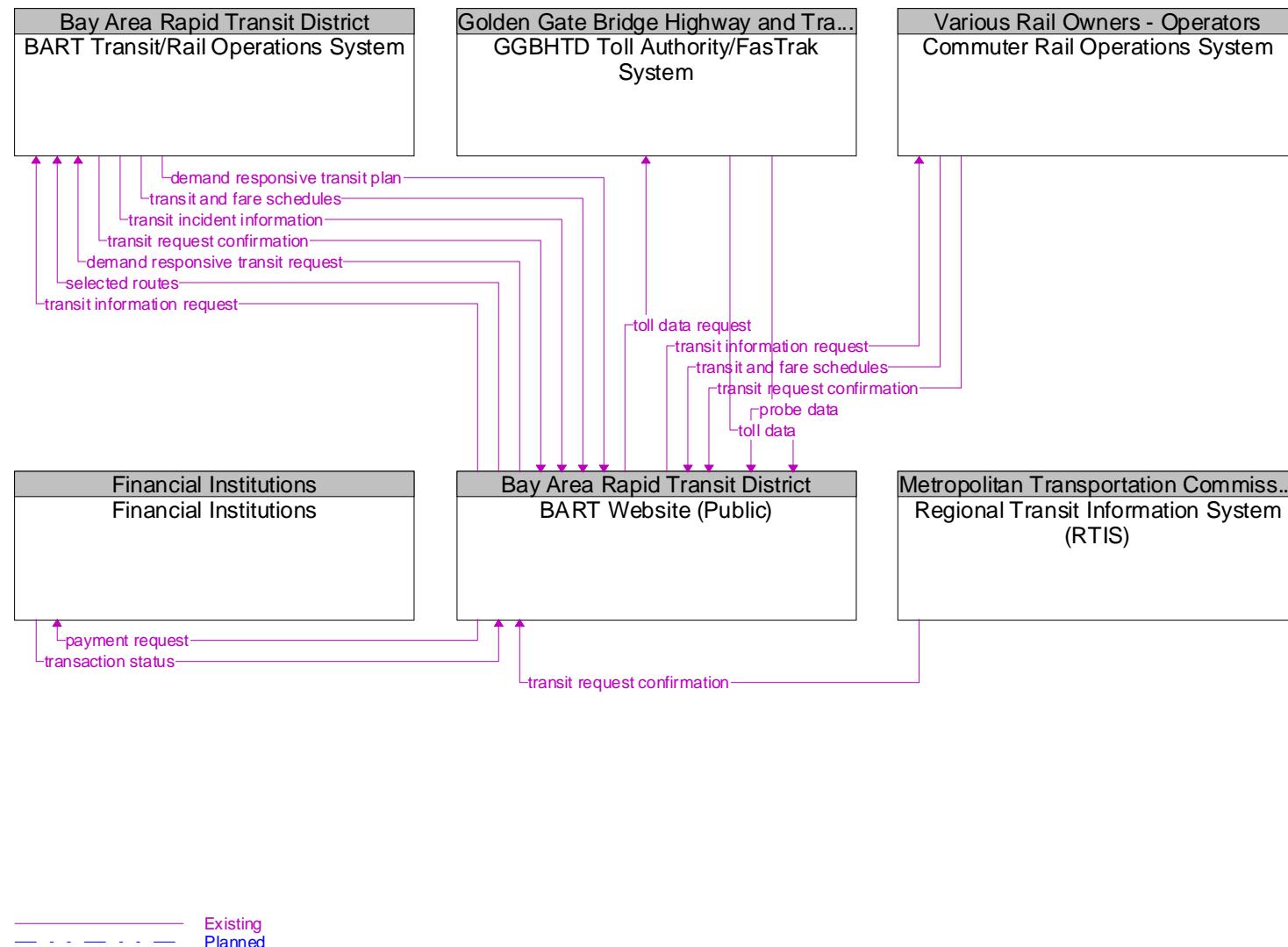
— Existing
— Planned

Stakeholder: **Bay Area Rapid Transit District**
 Architecture Element: **BART Website (Public)**

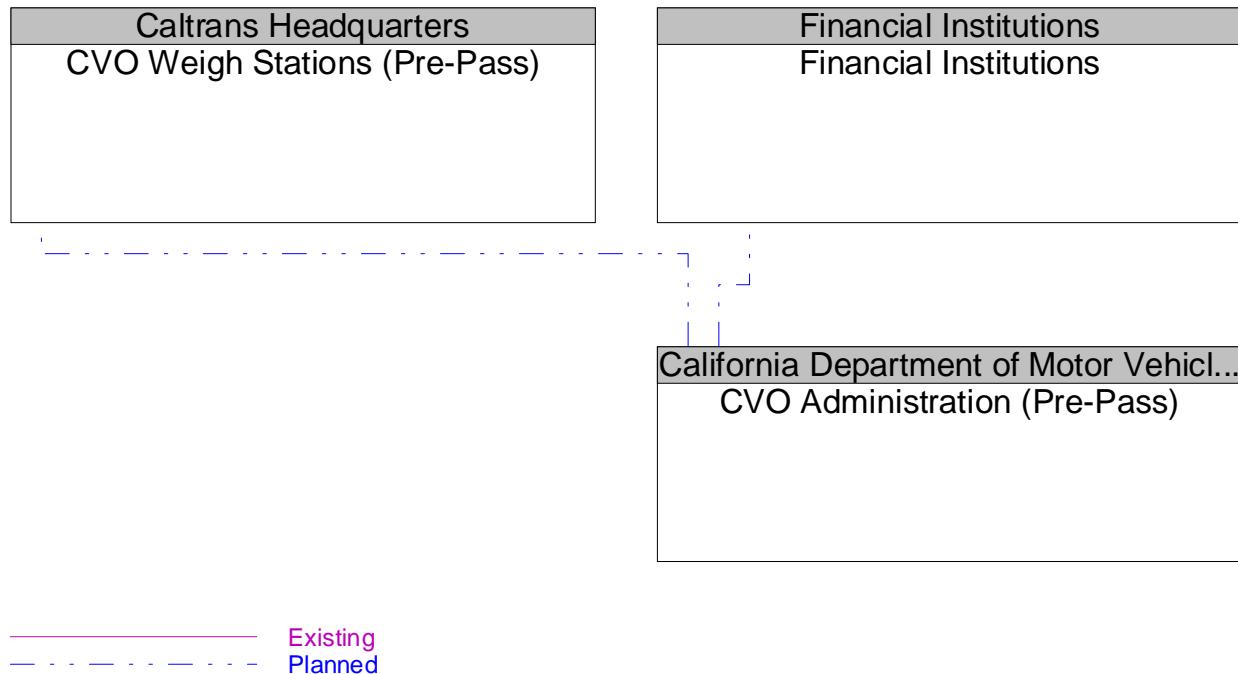
Interconnect Diagram



Stakeholder: **Bay Area Rapid Transit District**
 Architecture Element: **BART Website (Public)**
Information Flows Diagram



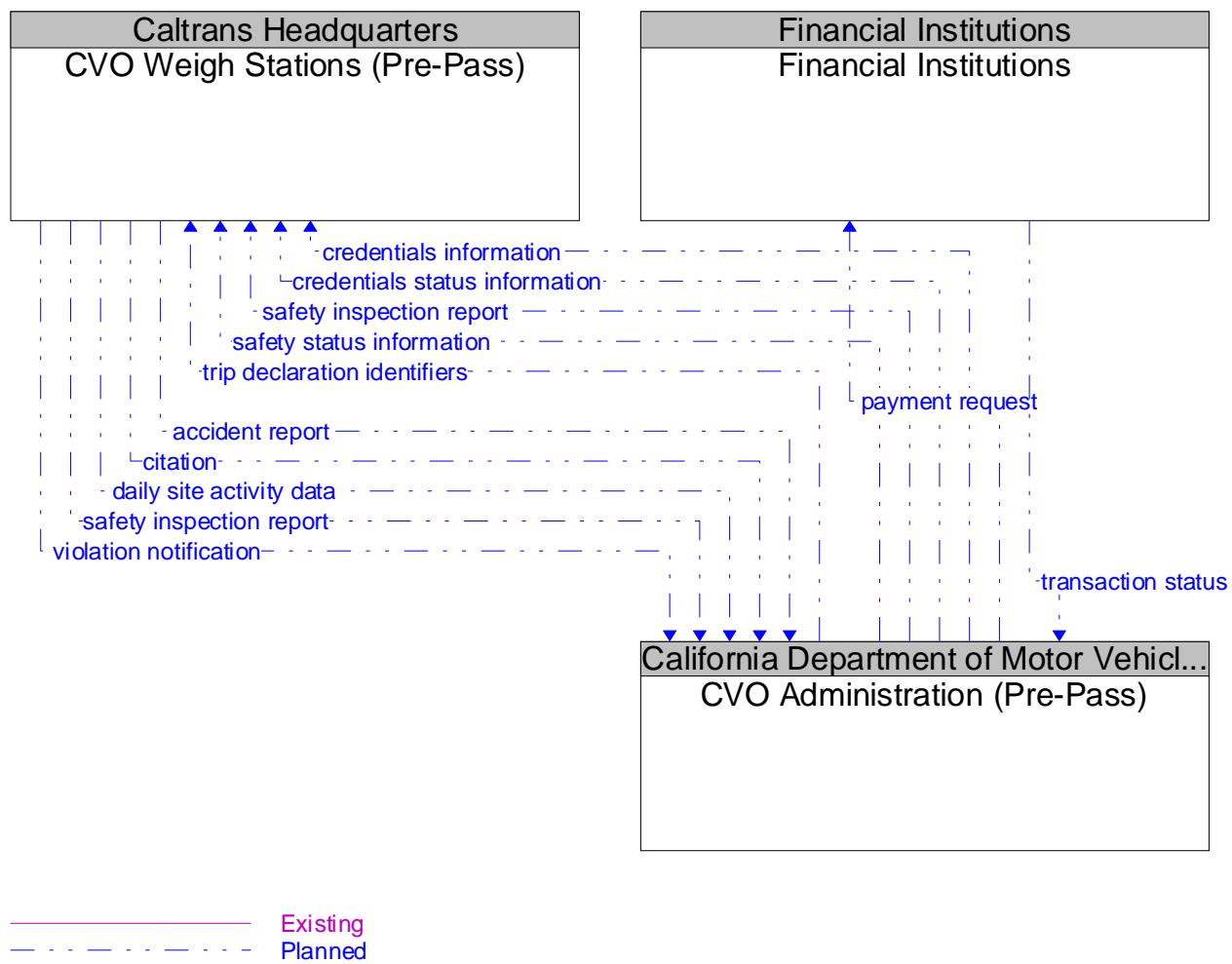
Stakeholder: **California Department of Motor Vehicles (DMV)**
Architecture Element: **CVO Administration (Pre-Pass)**
Interconnect Diagram



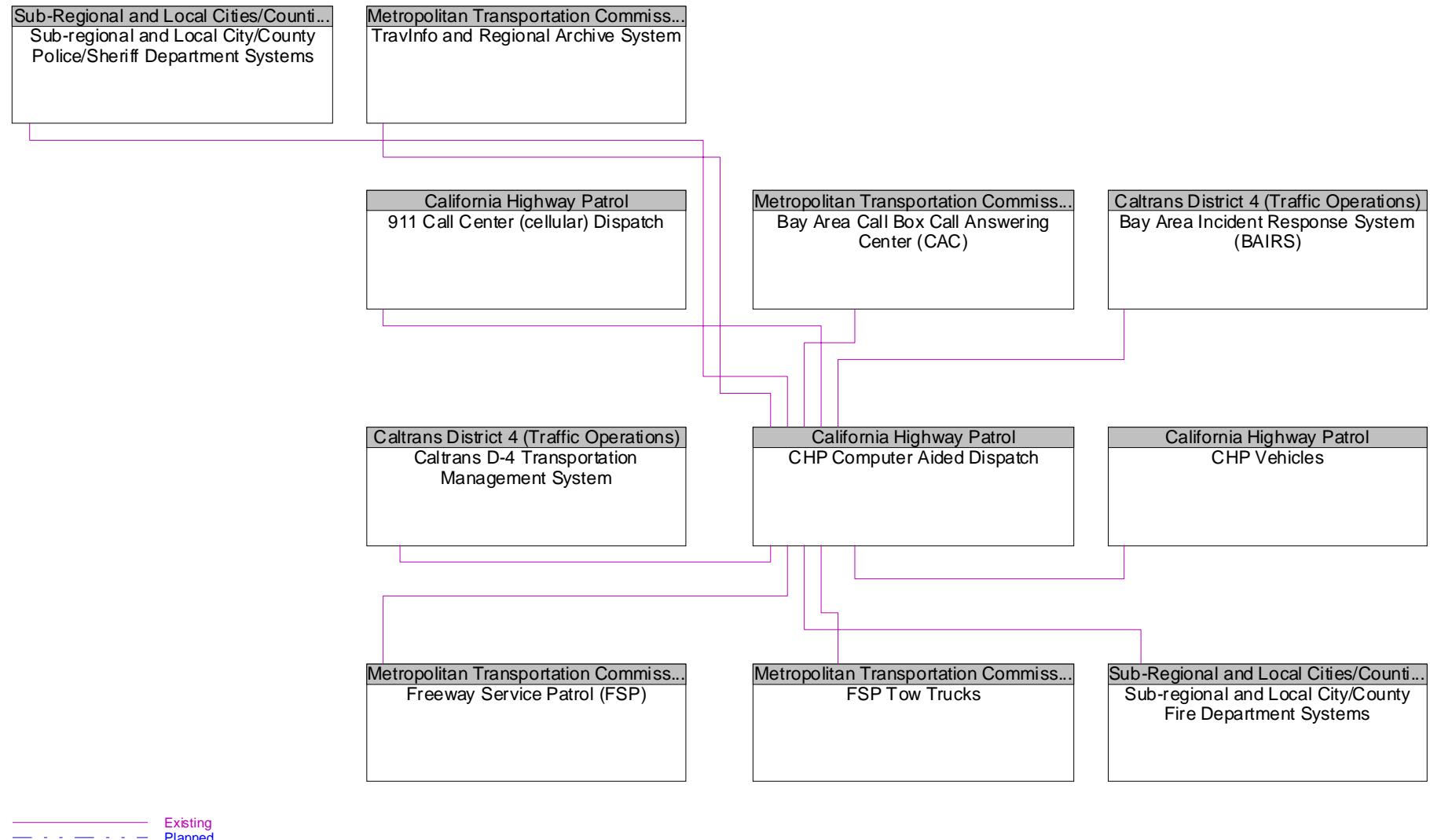
Stakeholder: **California Department of Motor Vehicles (DMV)**

Architecture Element: **CVO Administration (Pre-Pass)**

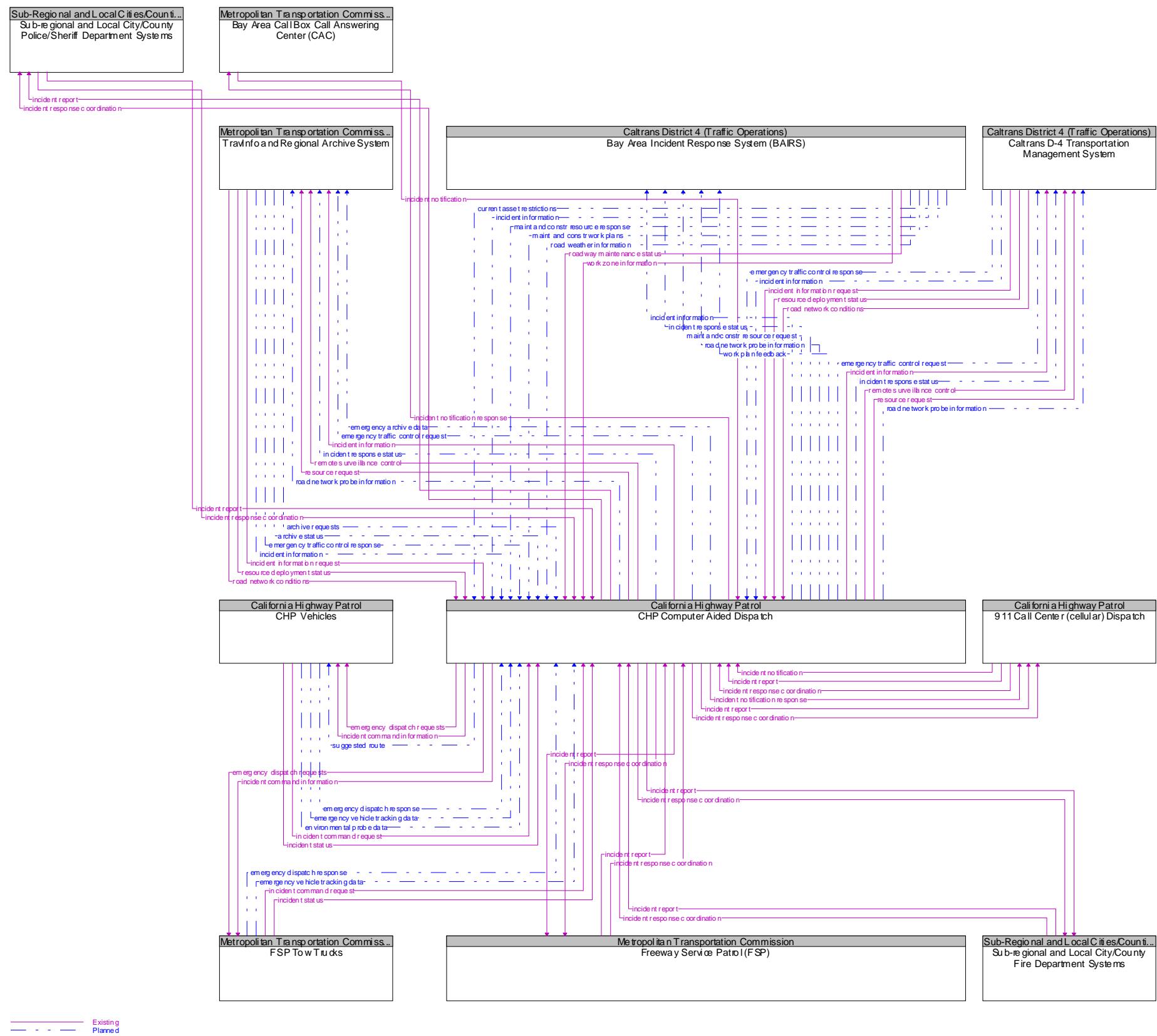
Information Flows Diagram



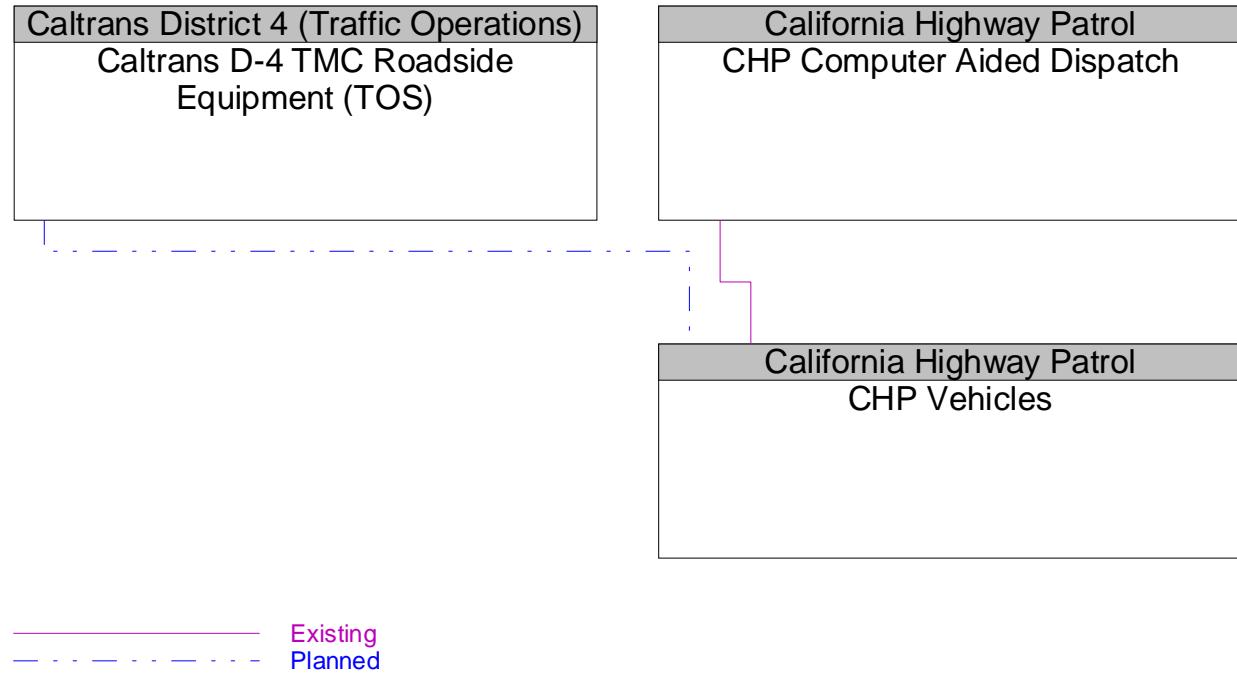
Stakeholder: **California Highway Patrol**
 Architecture Element: **CHP Computer Aided Dispatch**
Interconnect Diagram



Stakeholder: **California Highway Patrol**
 Architecture Element: **CHP Computer Aided Dispatch**
Information Flows Diagram



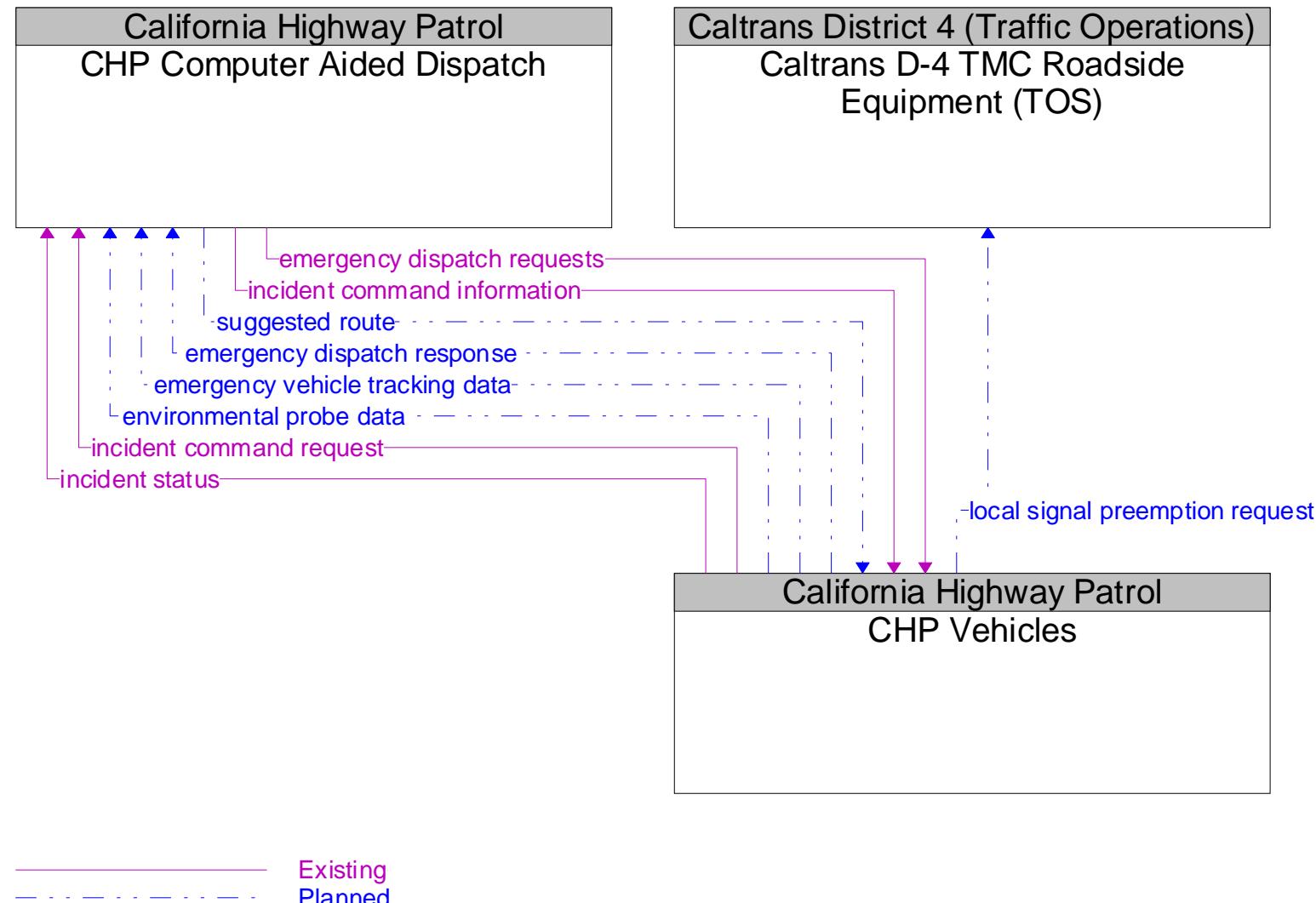
Stakeholder: **California Highway Patrol**
Architecture Element: **CHP Vehicles**
Interconnect Diagram



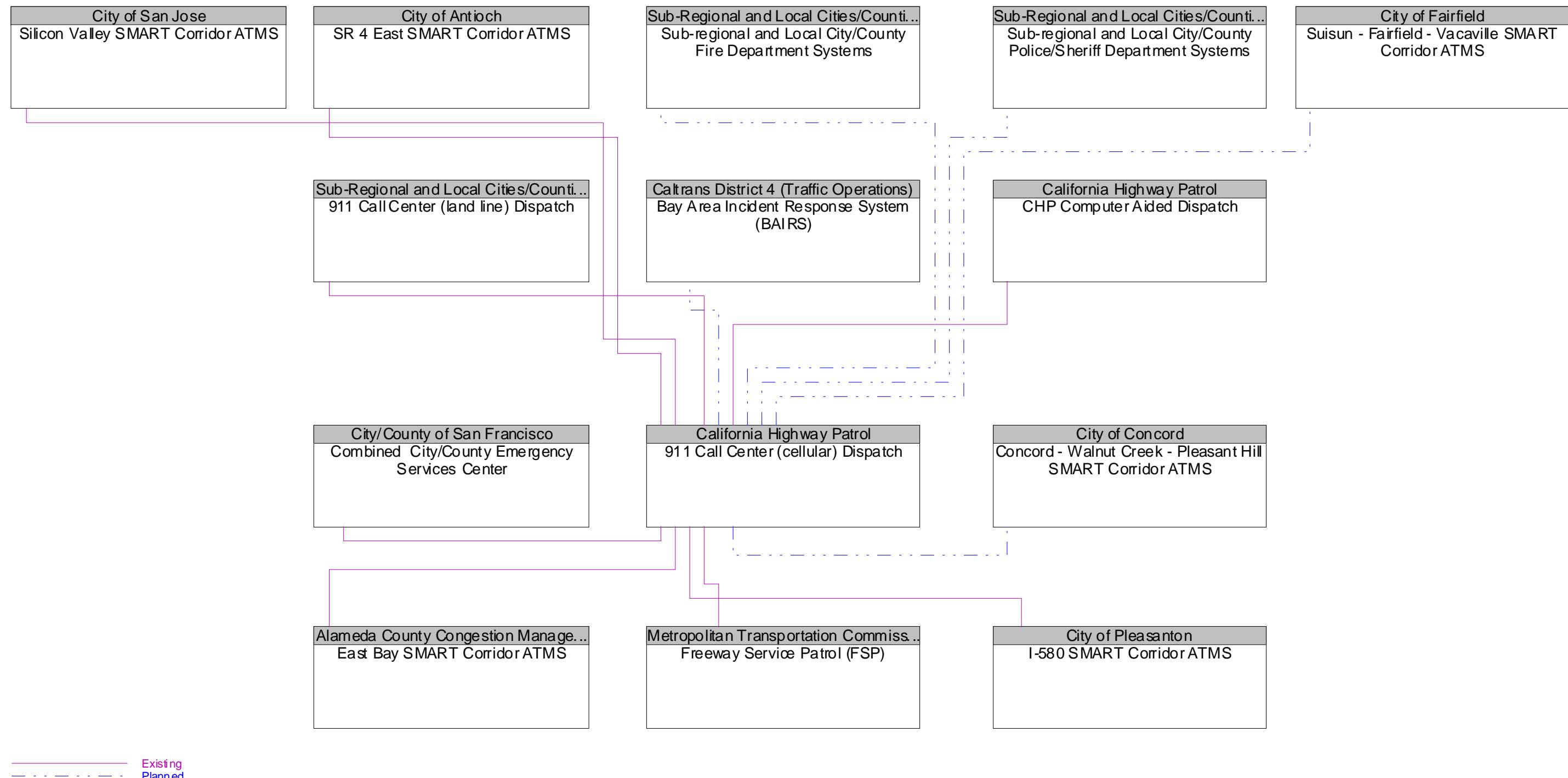
Stakeholder: California Highway Patrol

Architecture Element: CHP Vehicles

Information Flows Diagram

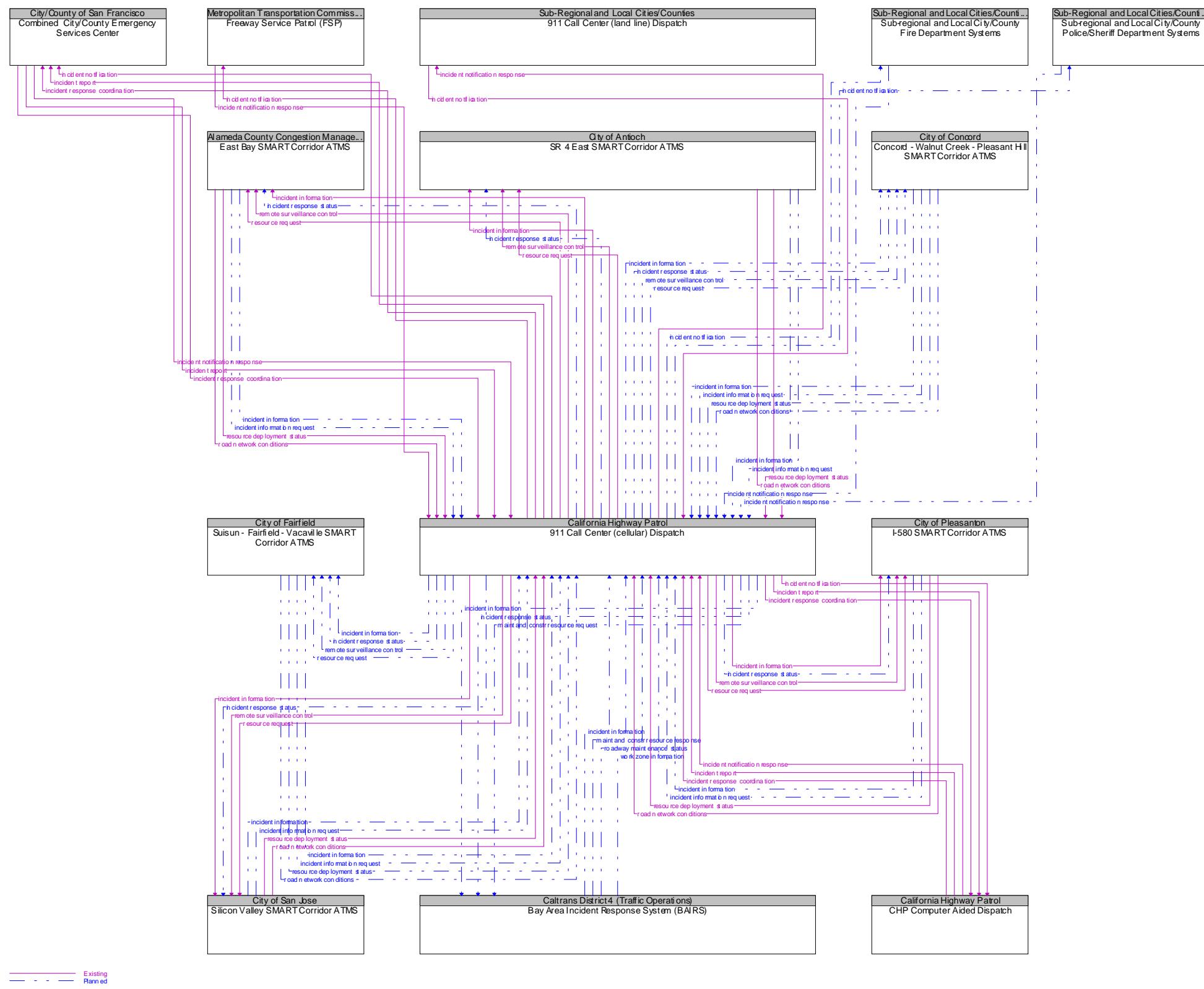


Stakeholder: **California Highway Patrol**
 Architecture Element: **911 Call Center (cellular) Dispatch**
Interconnect Diagram



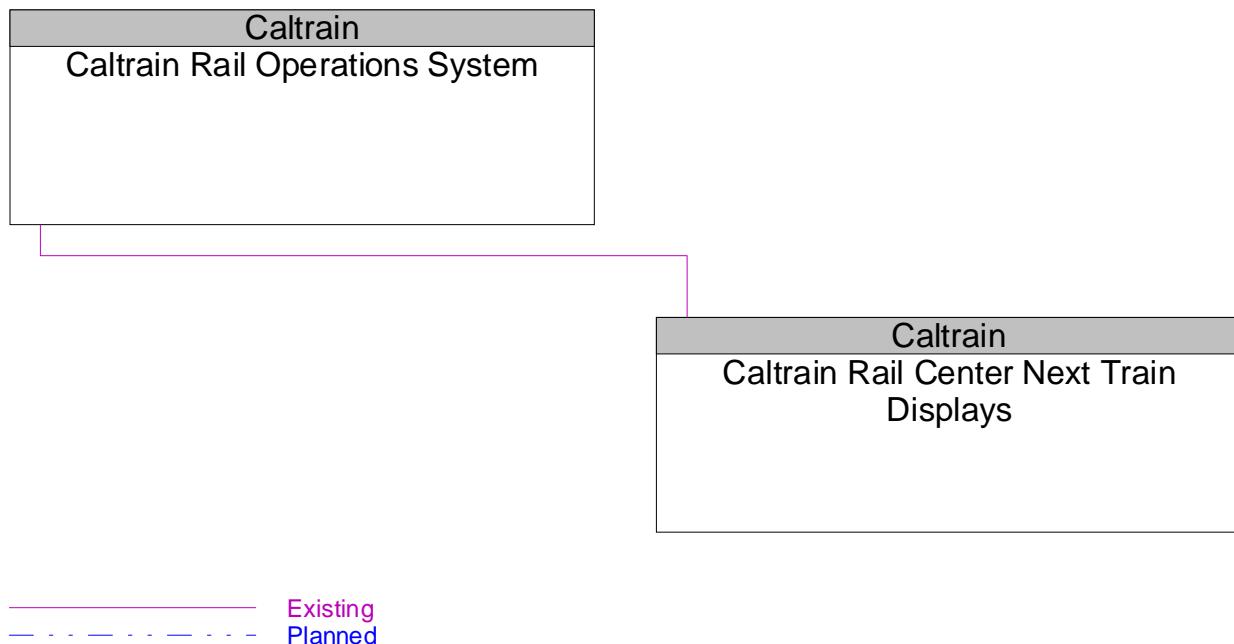
— Existing
- - - - - Planned

Stakeholder: **California Highway Patrol**
 Architecture Element: **911 Call Center (cellular) Dispatch**
Information Flows Diagram

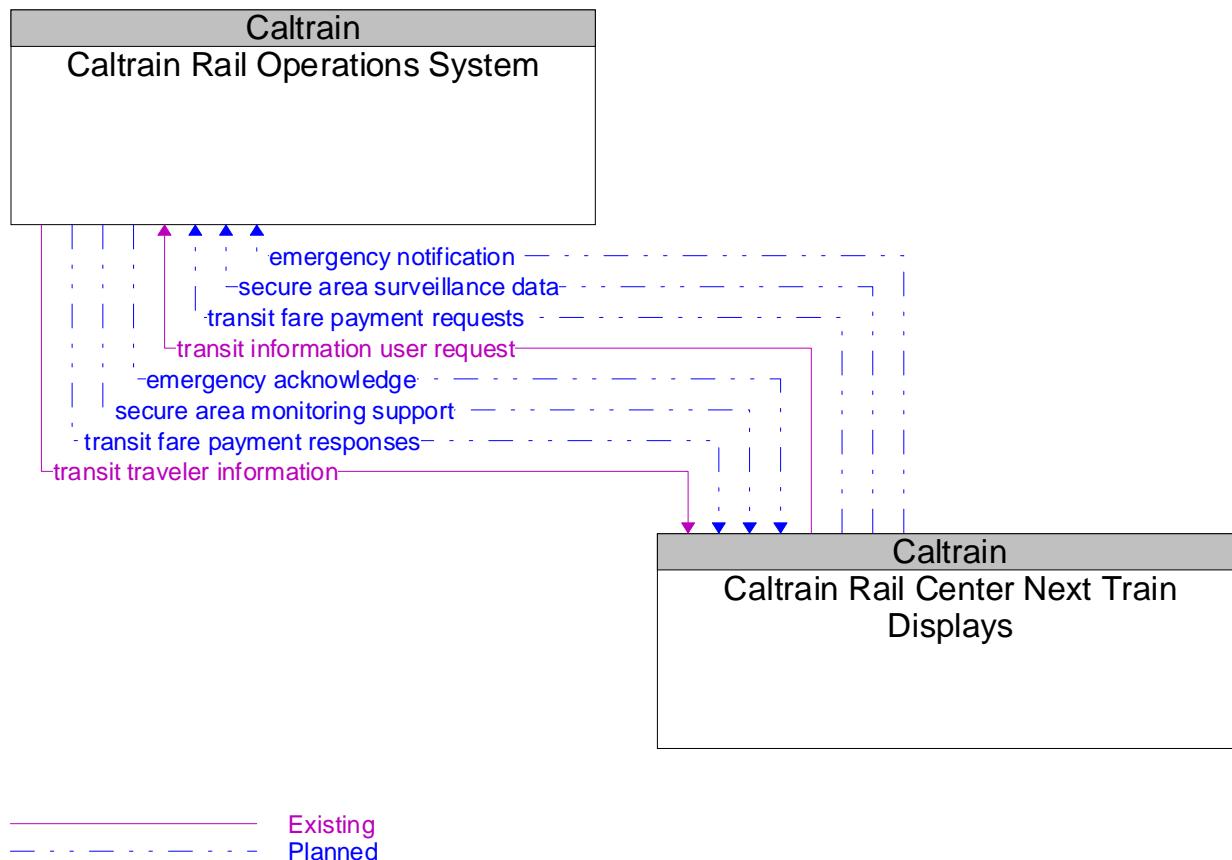


— Existing
 - - - Planned

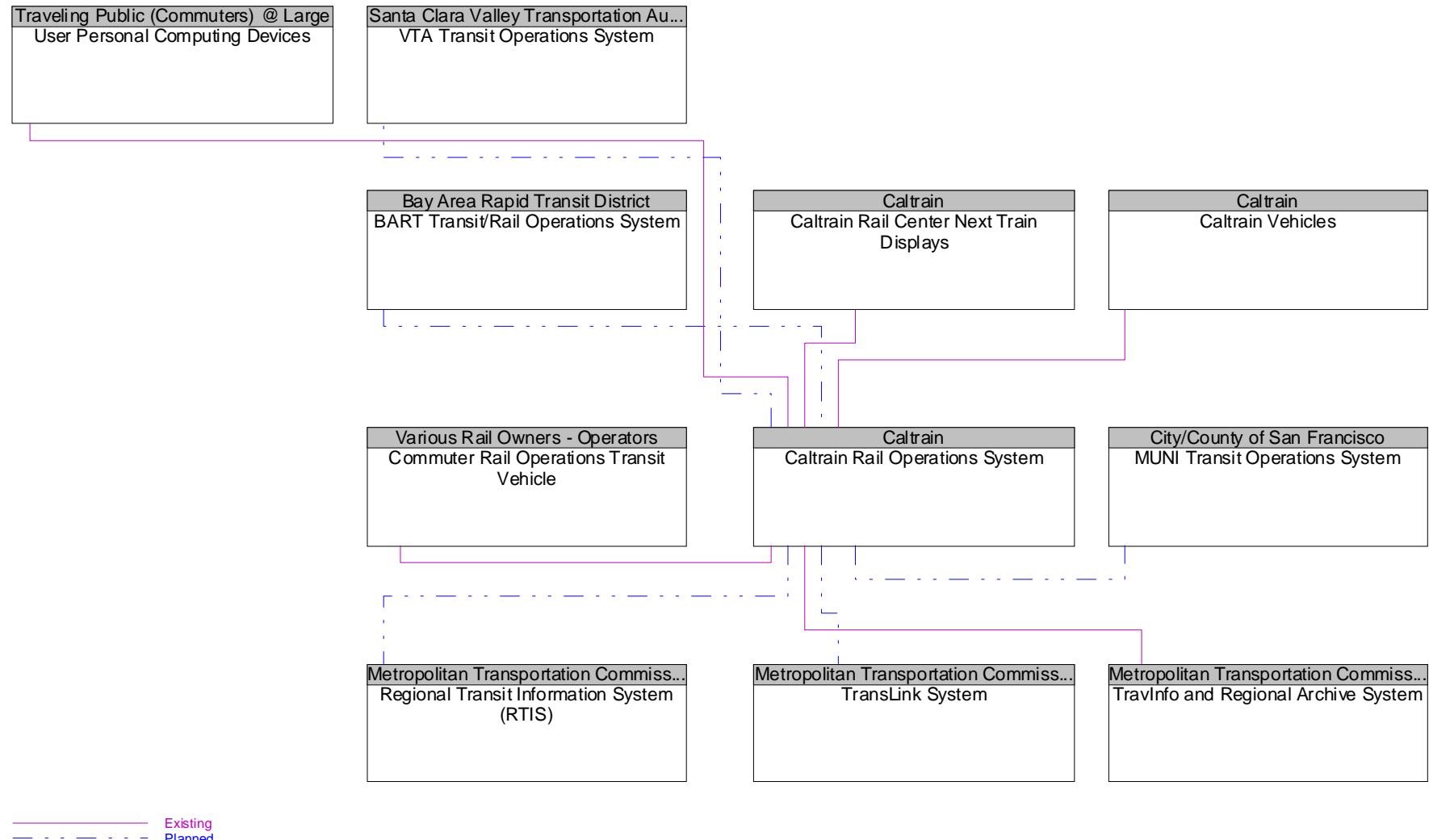
Stakeholder: **Caltrain**
Architecture Element: **Caltrain Rail Center Next Train Displays**
Interconnect Diagram



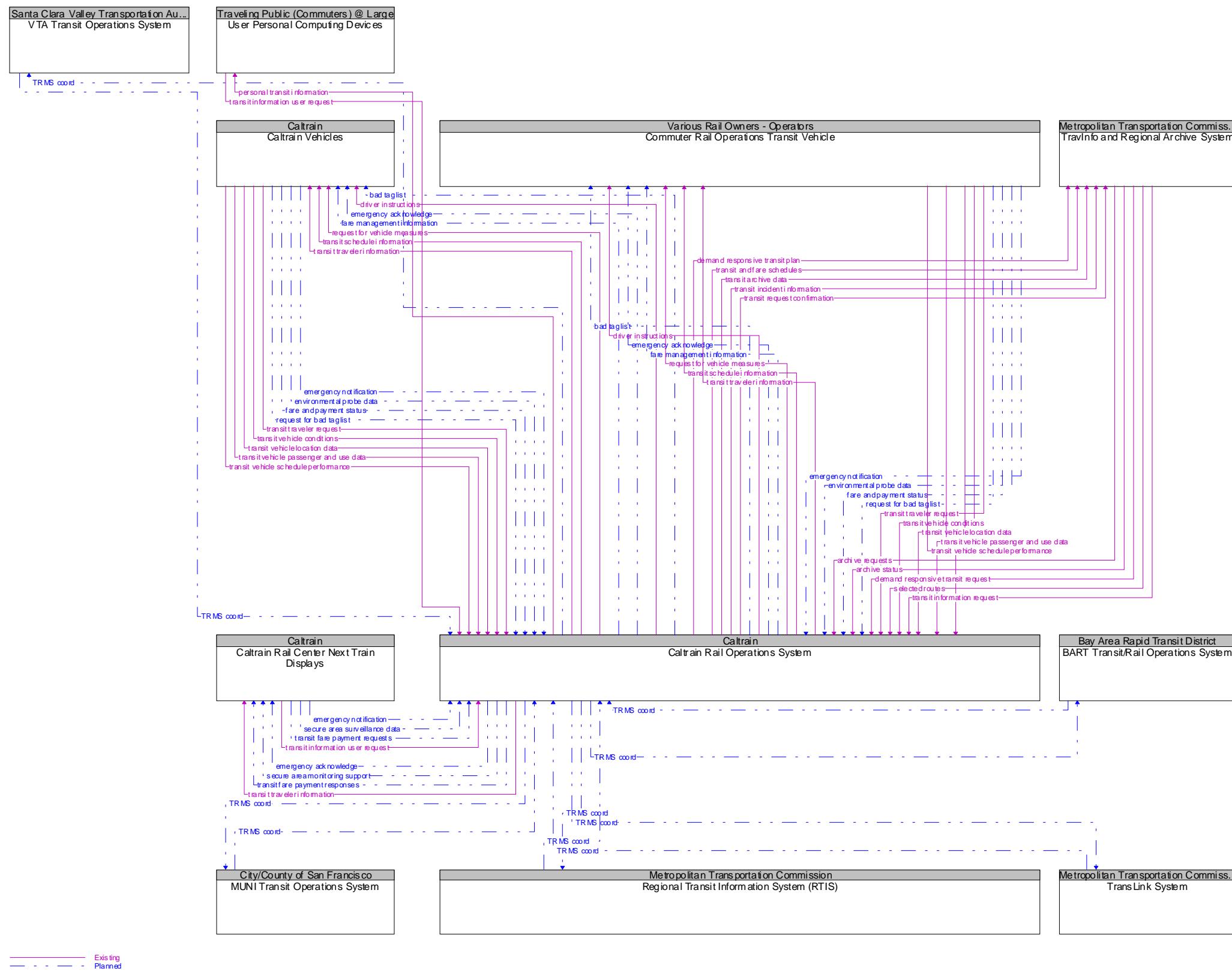
Stakeholder: **Caltrain**
 Architecture Element: **Caltrain Rail Center Next Train Displays**
Information Flows Diagram



Stakeholder: **Caltrain**
 Architecture Element: **Caltrain Rail Operations System**
Interconnect Diagram

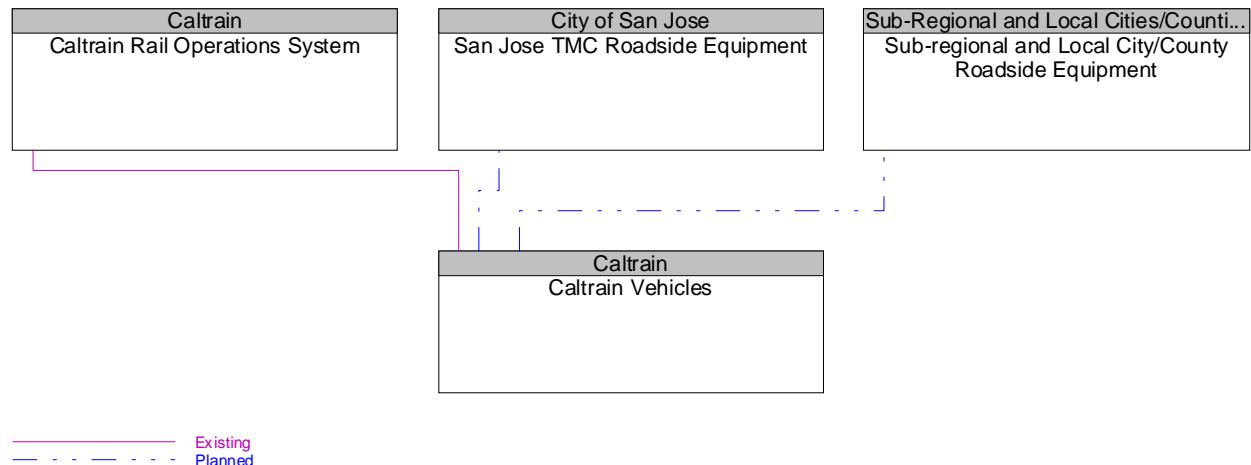


Stakeholder: **Caltrain**
 Architecture Element: **Caltrain Rail Operations System**
Information Flows Diagram

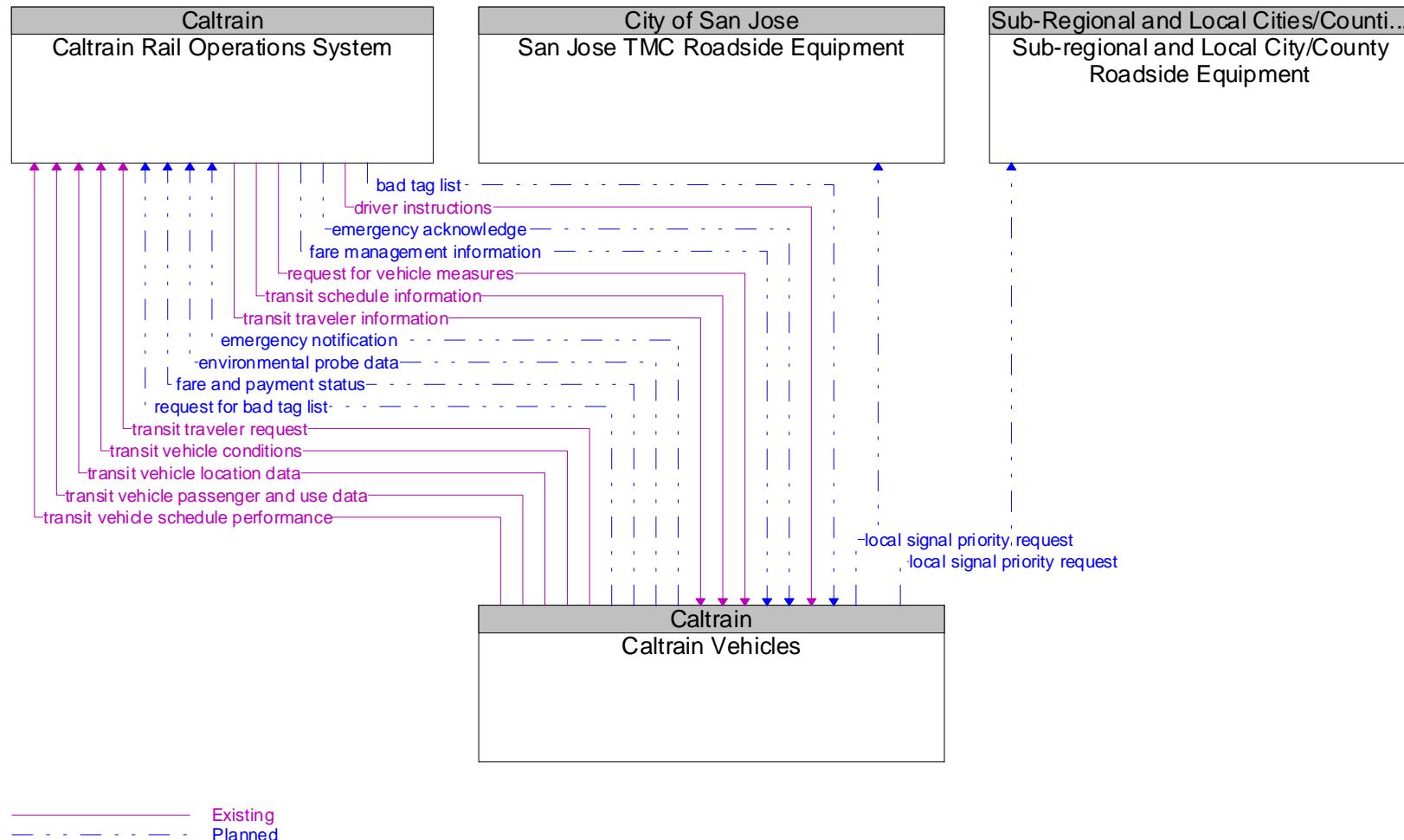


— Existing
— Planned

Stakeholder: **Caltrain**
Architecture Element: **Caltrain Vehicles**
Interconnect Diagram

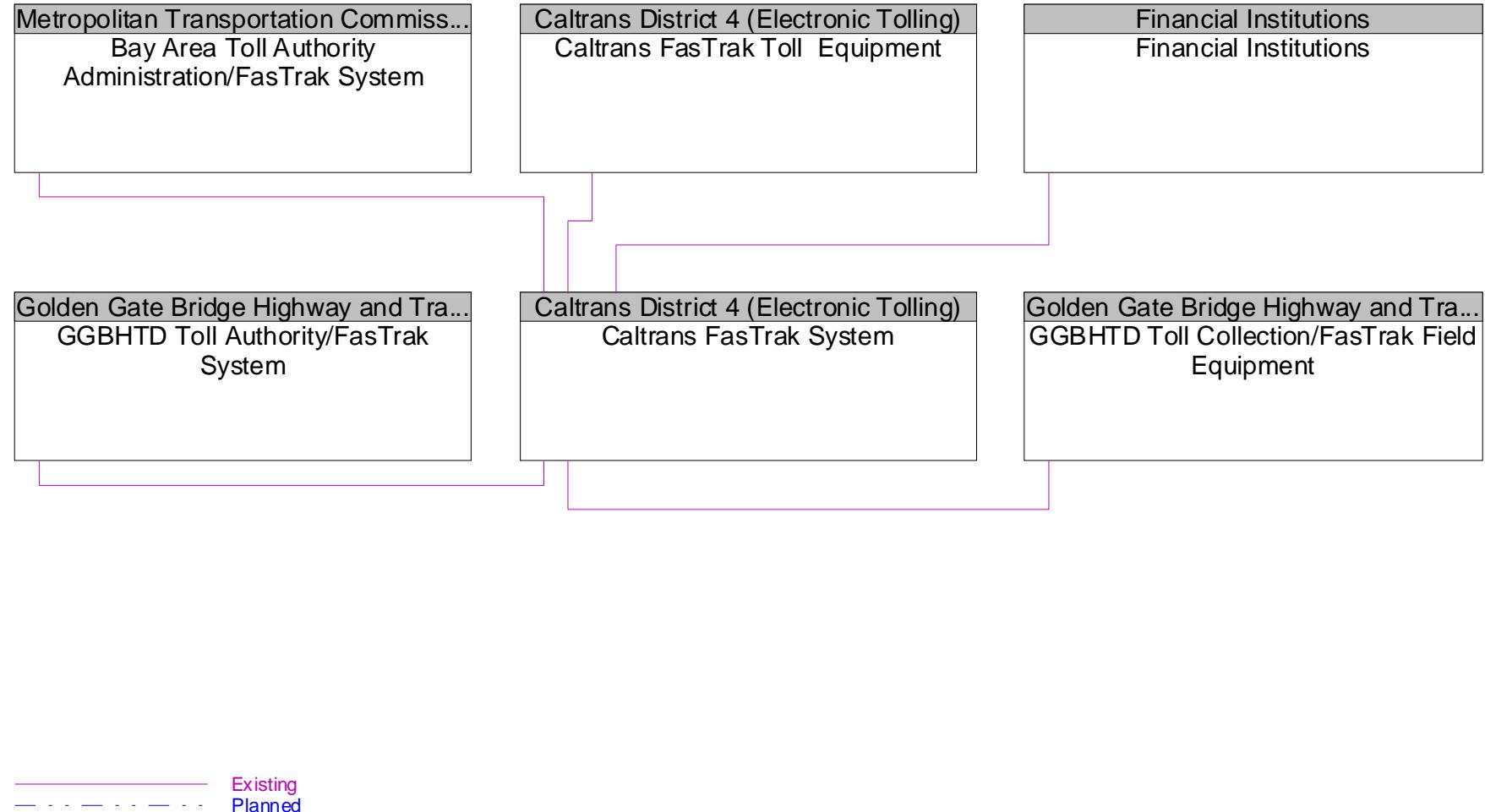


Stakeholder: **Caltrain**
 Architecture Element: **Caltrain Vehicles**
Information Flows Diagram



Stakeholder: **Caltrans District 4 (Electronic Tolling)**
Architecture Element: **Caltrans FasTrak System**

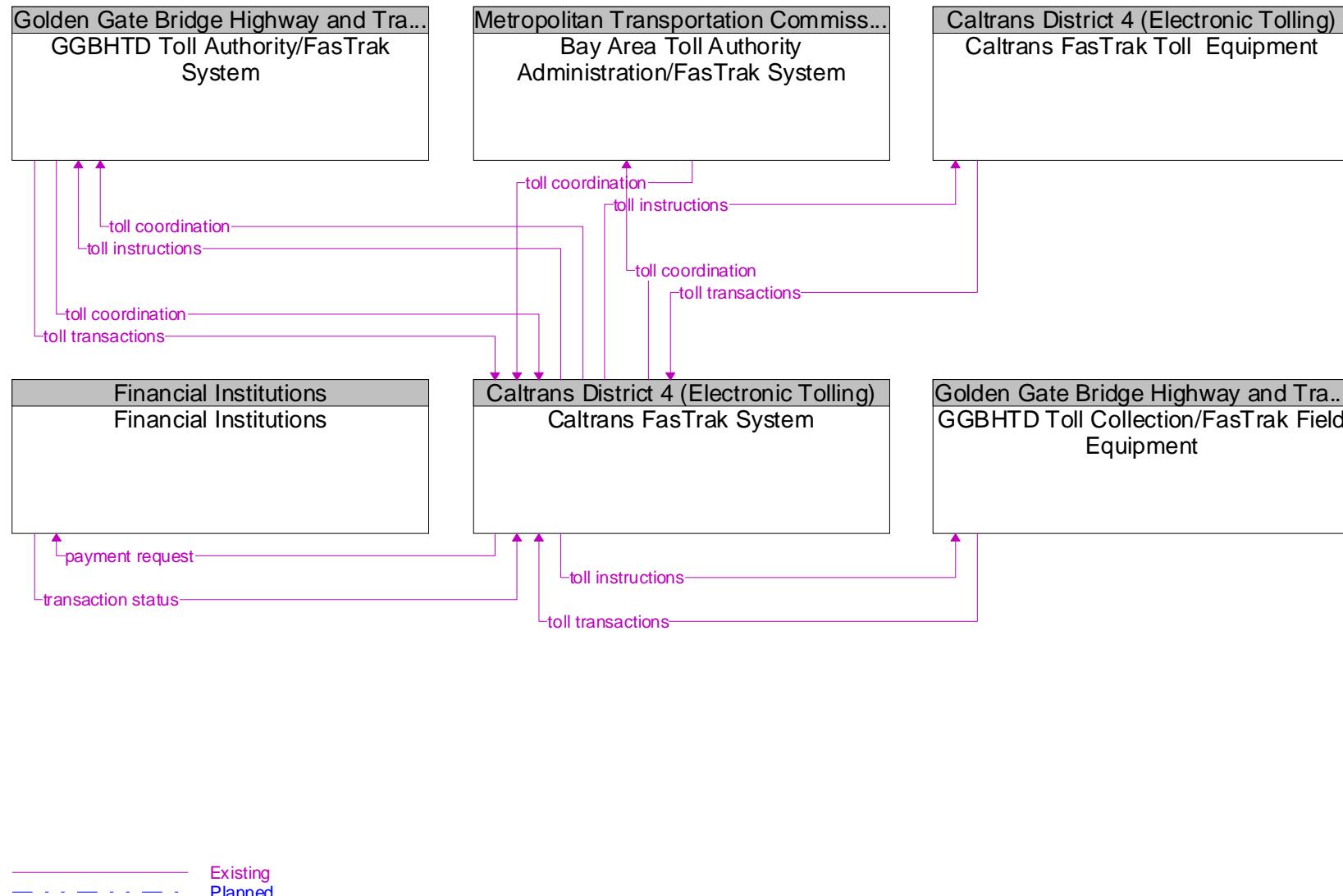
Interconnect Diagram



Stakeholder: **Caltrans District 4 (Electronic Tolling)**

Architecture Element: **Caltrans FasTrak System**

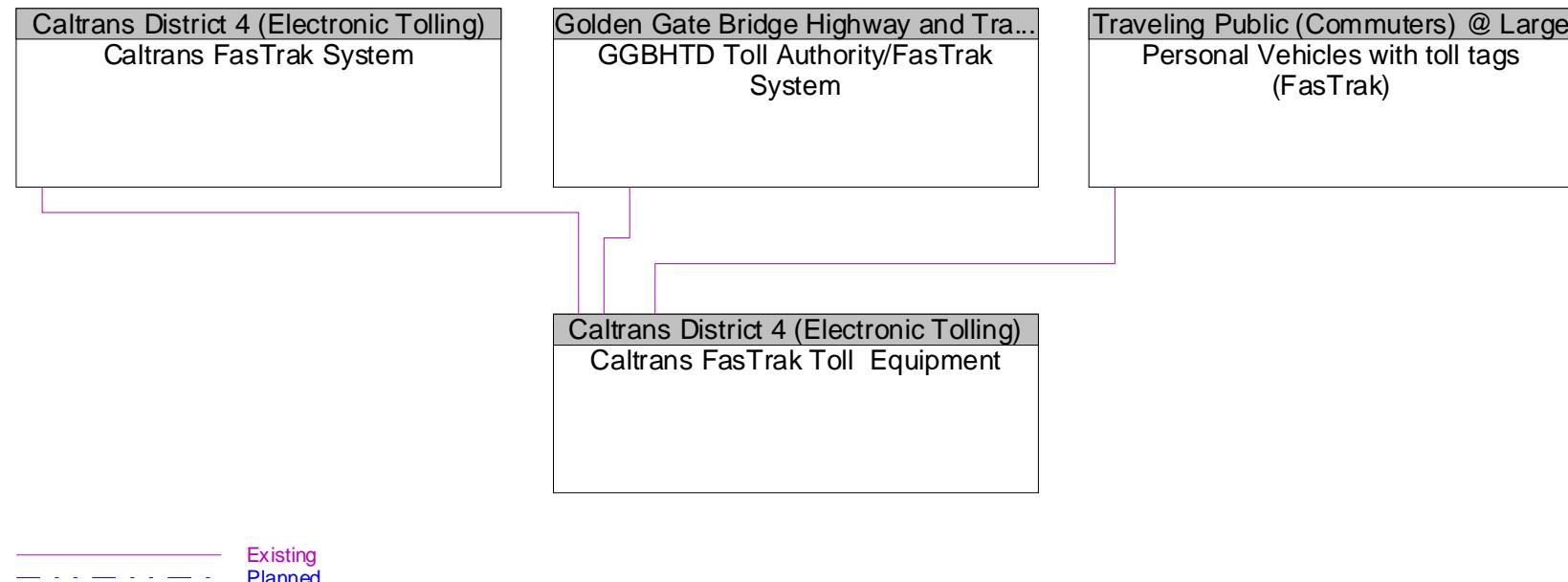
Information Flows Diagram



Stakeholder: **Caltrans District 4 (Electronic Tolling)**

Architecture Element: **Caltrans FasTrak Toll Equipment**

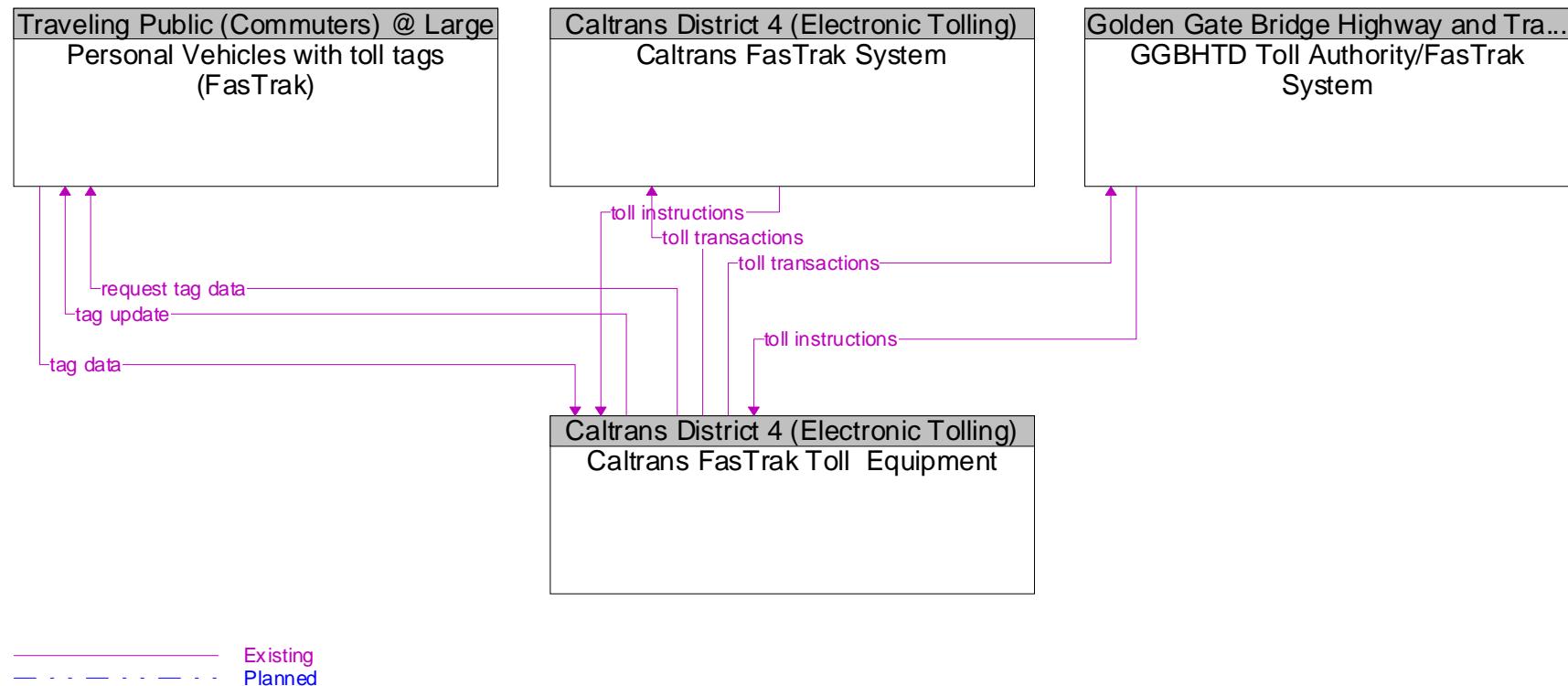
Interconnect Diagram



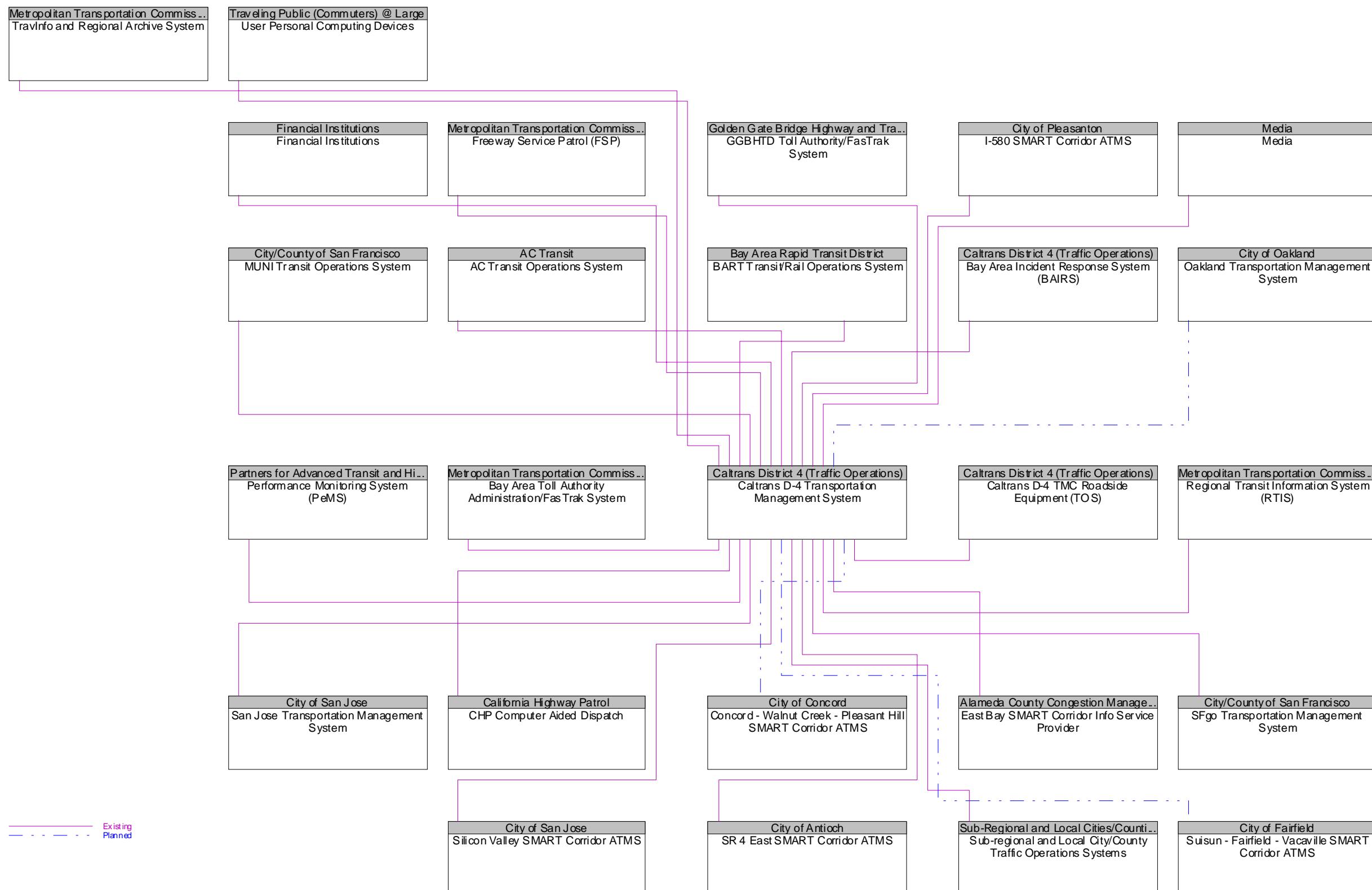
Stakeholder: **Caltrans District 4 (Electronic Tolling)**

Architecture Element: **Caltrans FasTrak Toll Equipment**

Information Flows Diagram

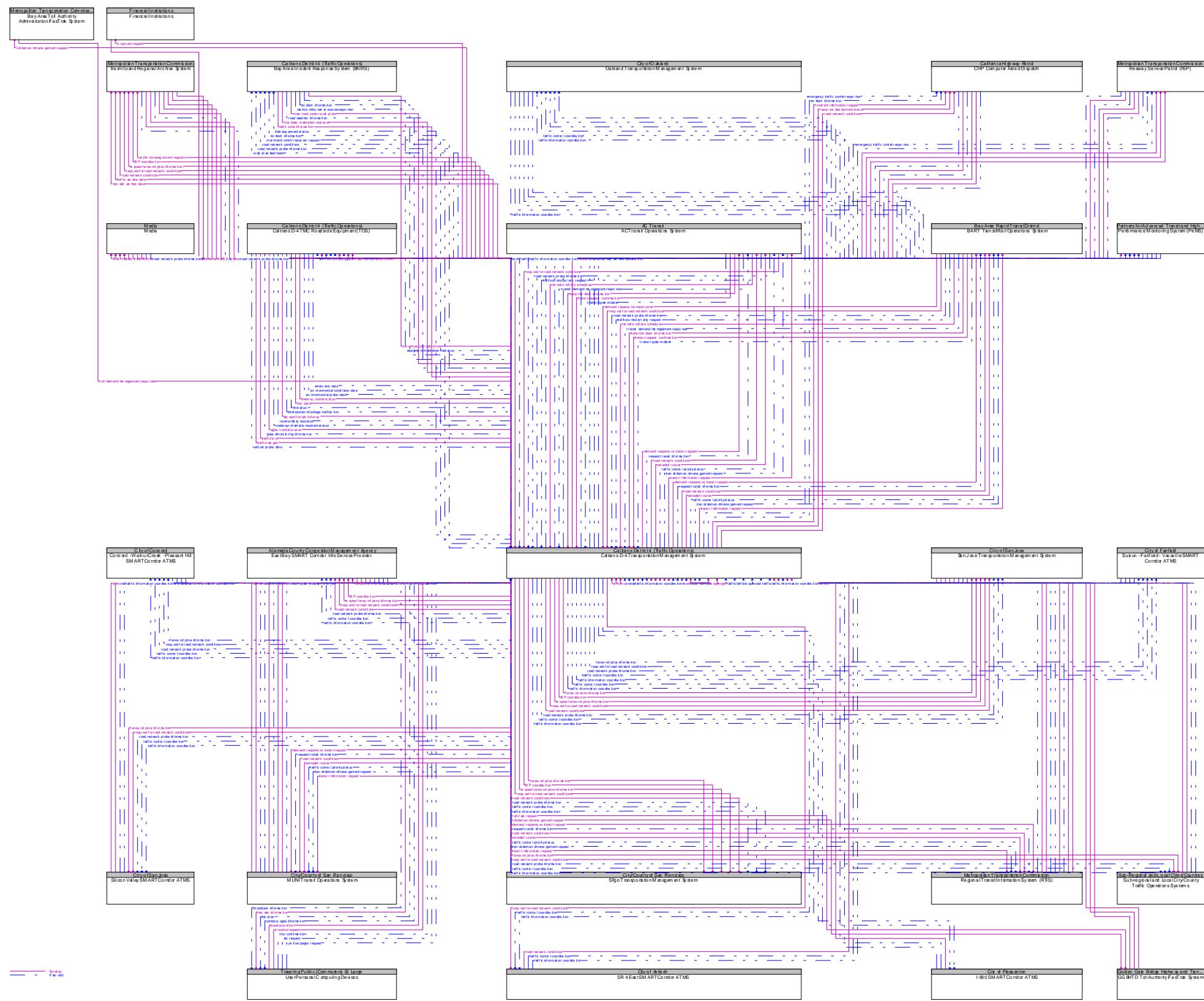


Stakeholder: **Caltrans District 4 (Traffic Operations)**
 Architecture Element: **Caltrans D-4 Transportation Management System**
Interconnect Diagram

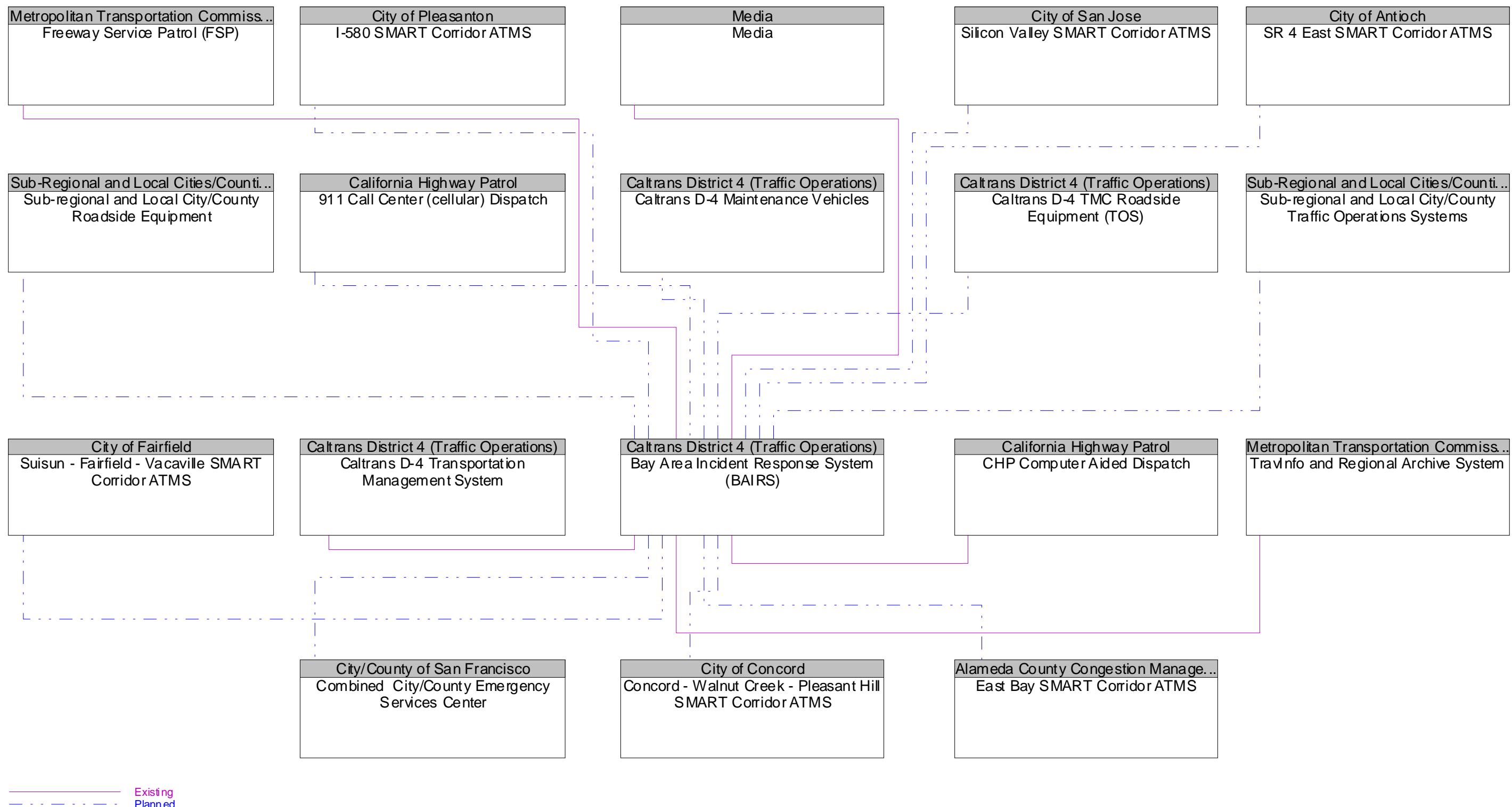


Existing
Planned

Stakeholder: **Caltrans District 4 (Traffic Operations)**
 Architecture Element: **Caltrans D-4 Transportation Management System**
Information Flows Diagram

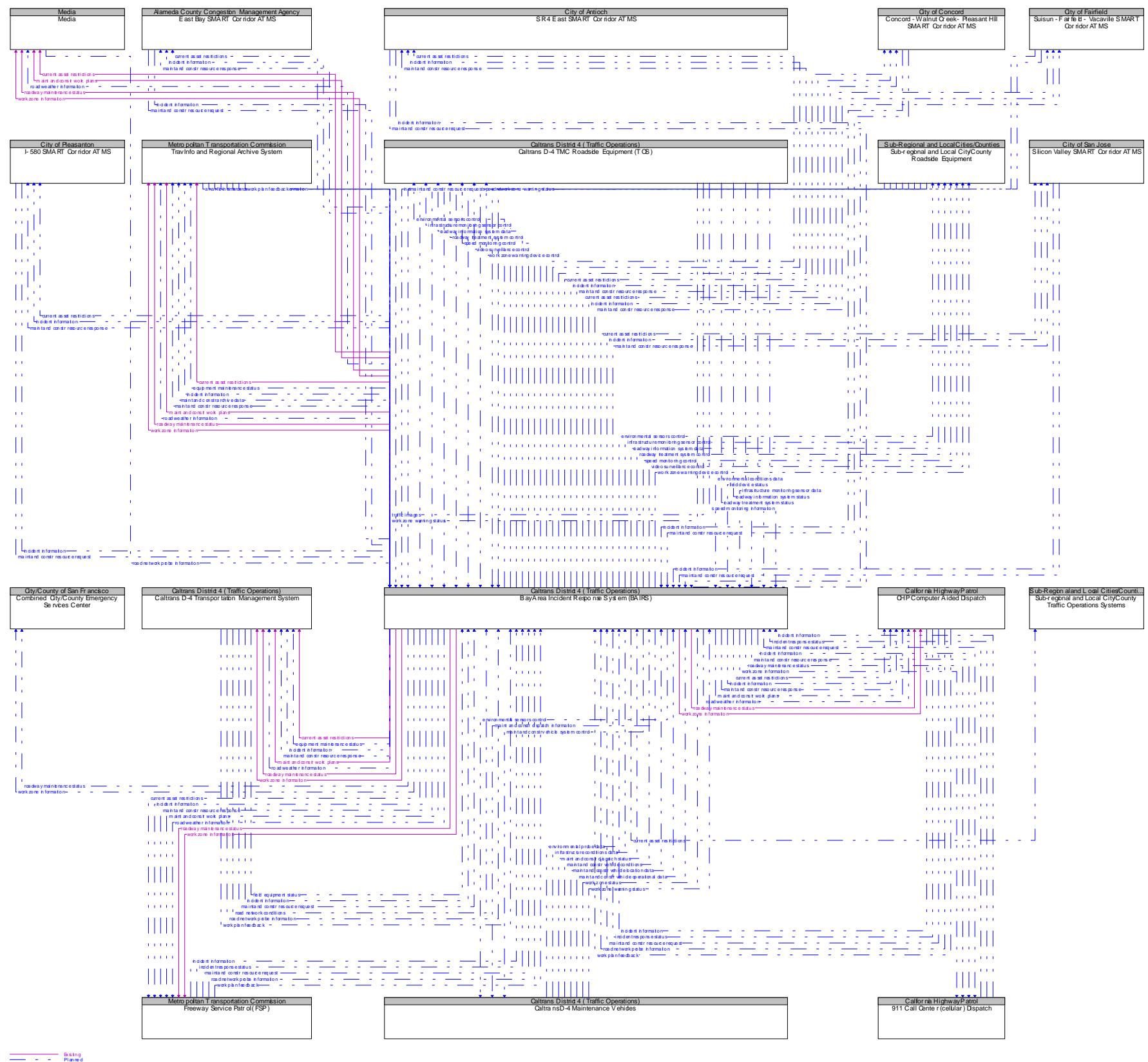


Stakeholder: **Caltrans District 4 (Traffic Operations)**
 Architecture Element: **Bay Area Incident Response System (BAIRS)**
Interconnect Diagram



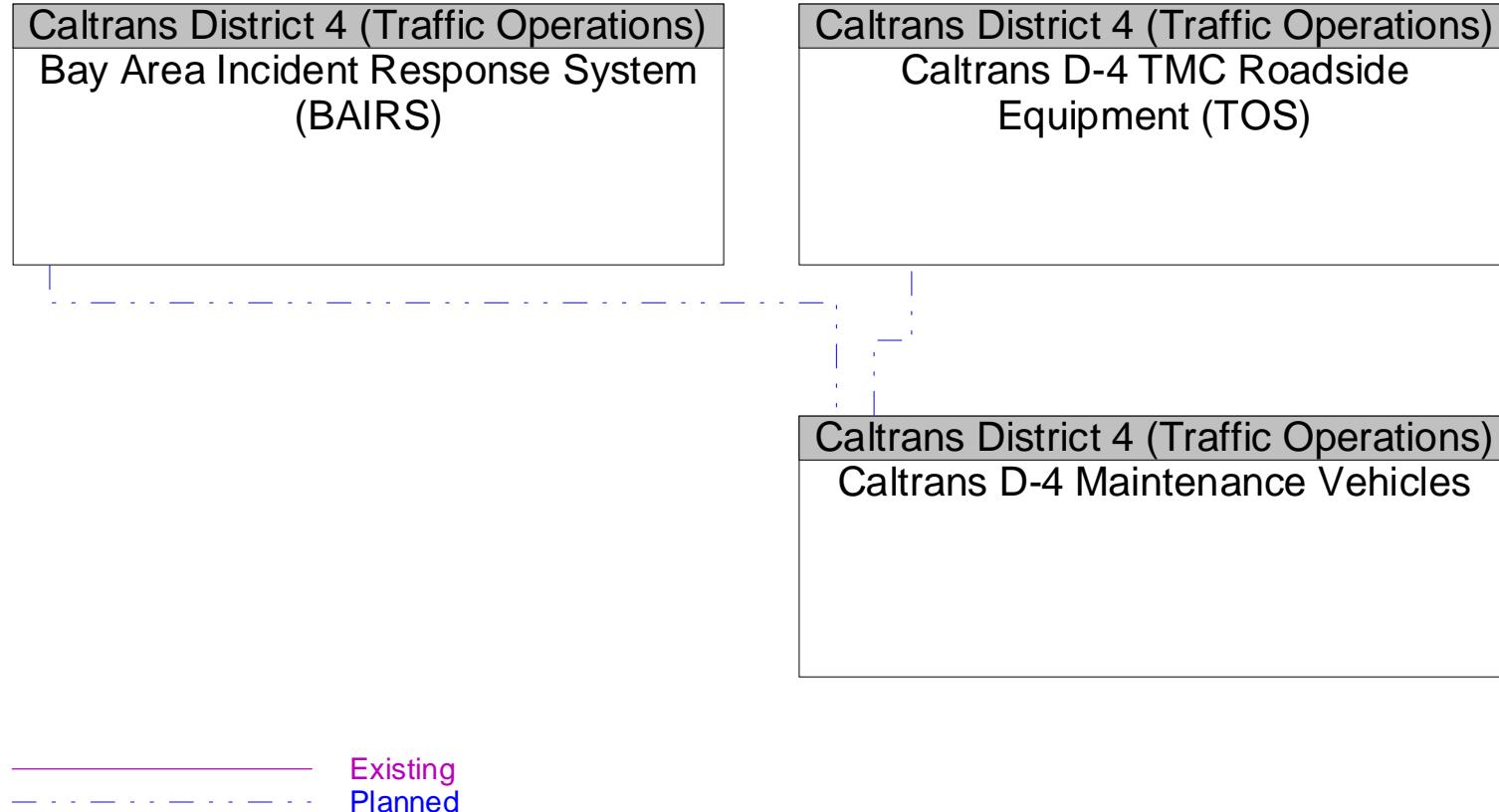
Existing
Planned

Stakeholder: **Caltrans District 4 (Traffic Operations)**
 Architecture Element: **Bay Area Incident Response System (BAIRS)**
Information Flows Diagram

Basis
Planned

Stakeholder: **Caltrans District 4 (Traffic Operations)**
Architecture Element: **Caltrans D-4 Maintenance Vehicles**

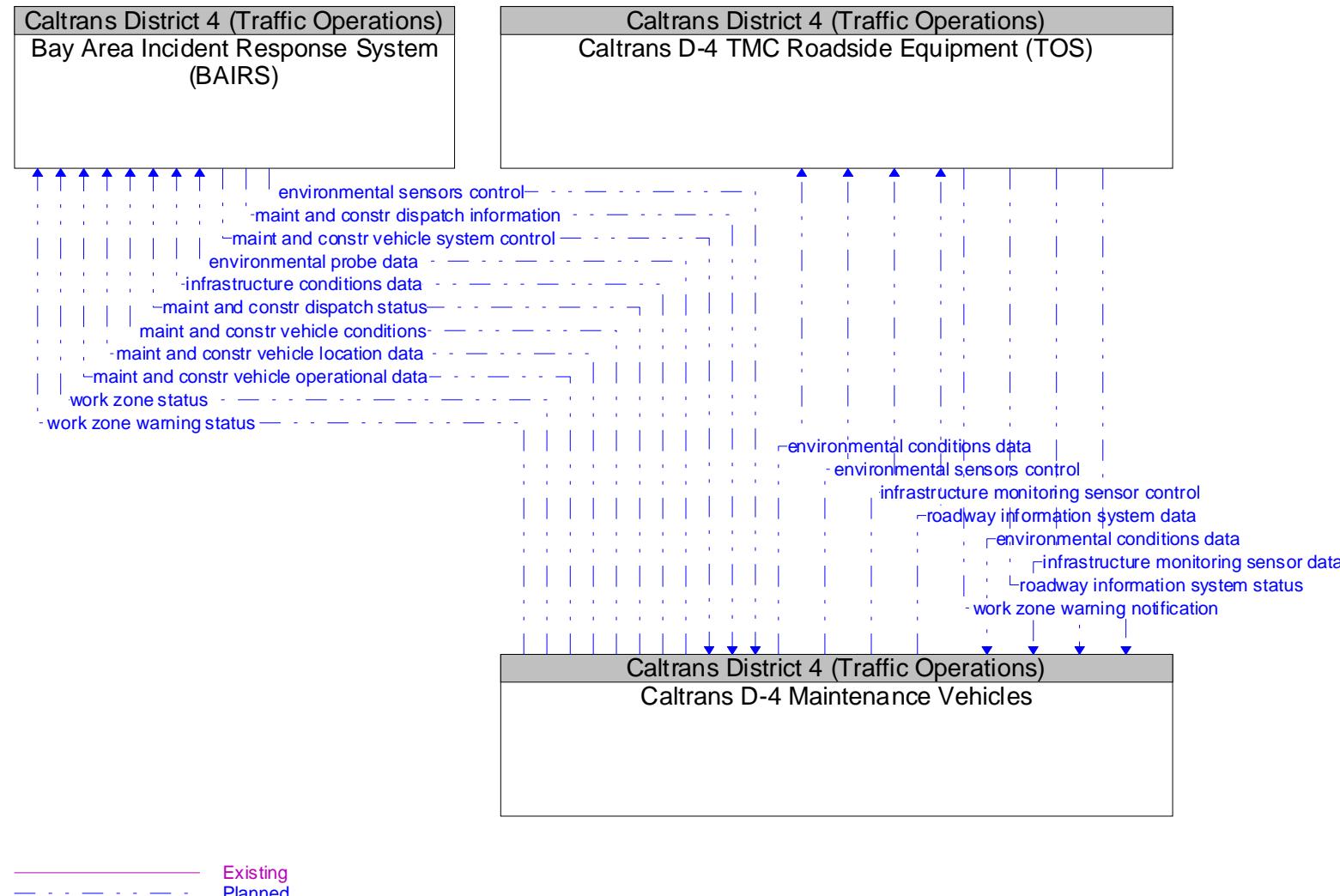
Interconnect Diagram



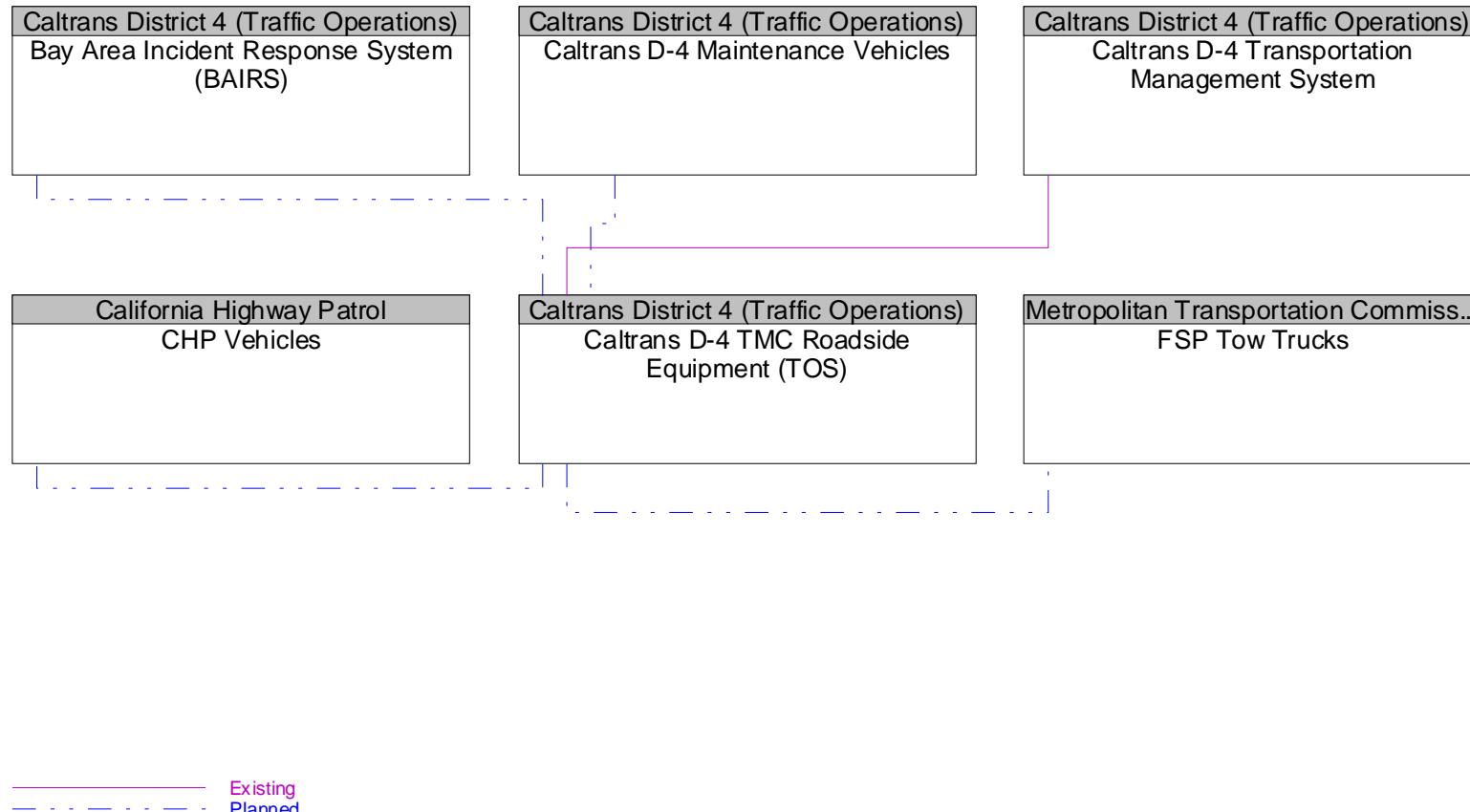
Stakeholder: **Caltrans District 4 (Traffic Operations)**

Architecture Element: **Caltrans D-4 Maintenance Vehicles**

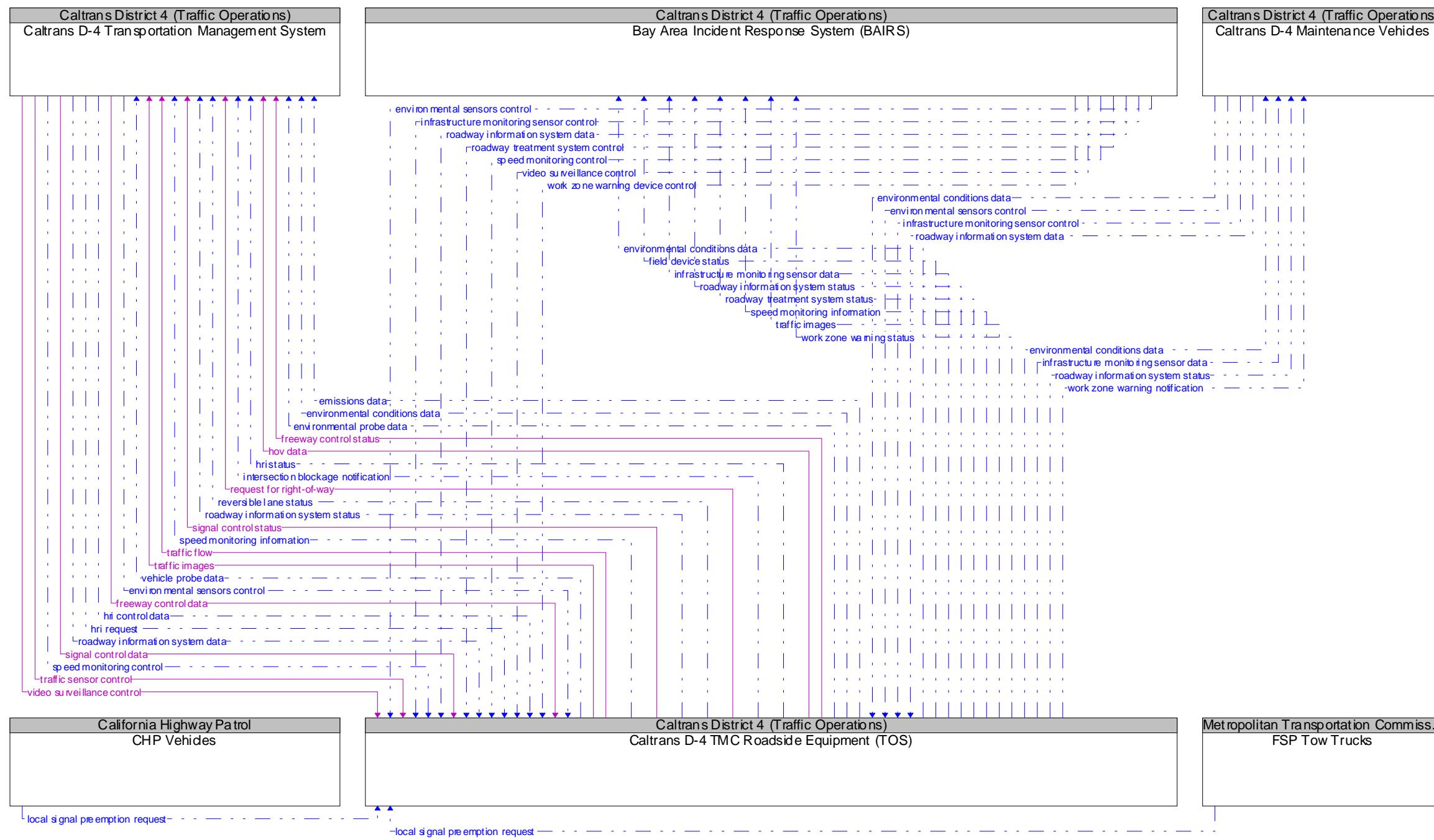
Information Flows Diagram



Stakeholder: **Caltrans District 4 (Traffic Operations)**
Architecture Element: **Caltrans D-4 TMC Roadside Equipment (TOS)**
Interconnect Diagram

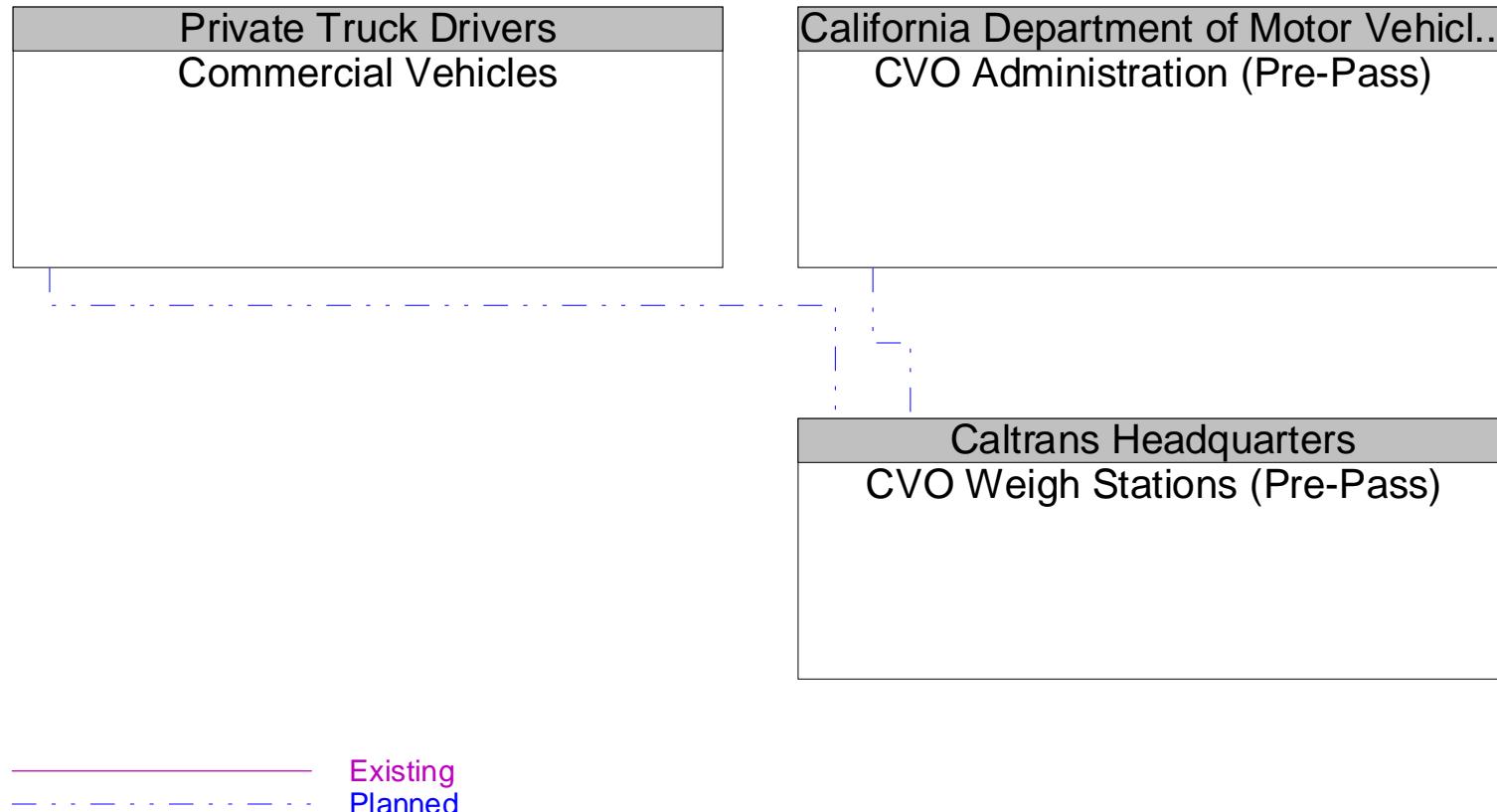


Stakeholder: **Caltrans District 4 (Traffic Operations)**
 Architecture Element: **Caltrans D-4 TMC Roadside Equipment (TOS)**
Information Flows Diagram

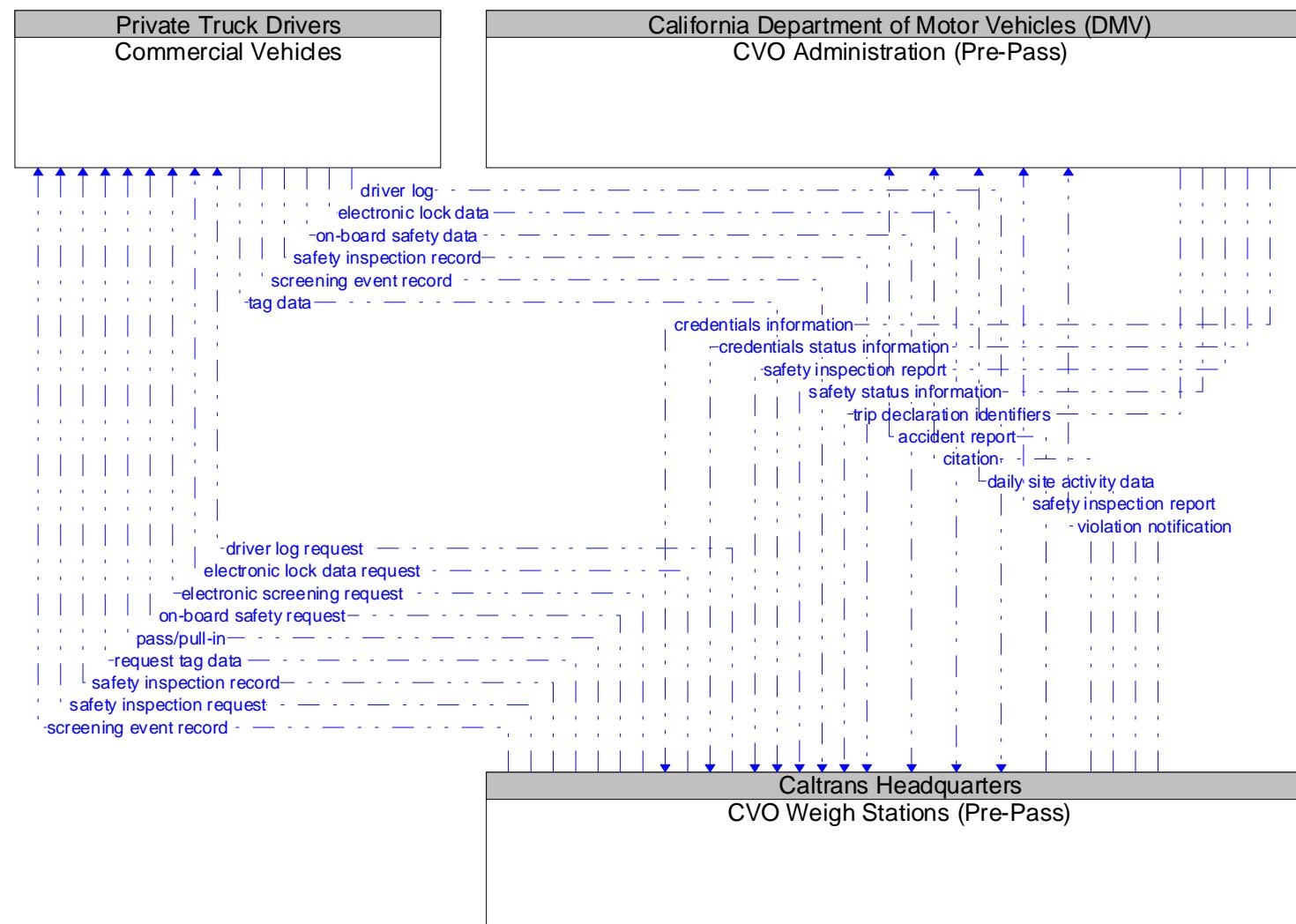


— Existing
- - - - - Planned

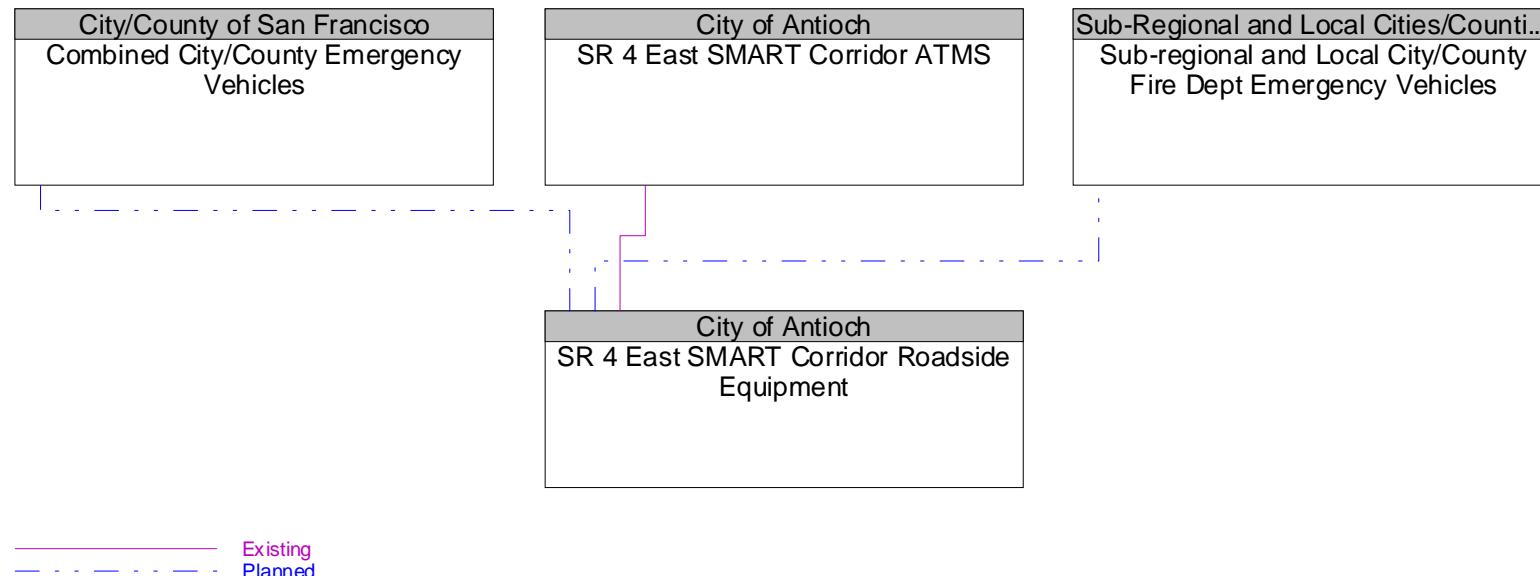
Stakeholder: **Caltrans Headquarters**
Architecture Element: **CVO Weigh Stations (Pre-Pass)**
Interconnect Diagram



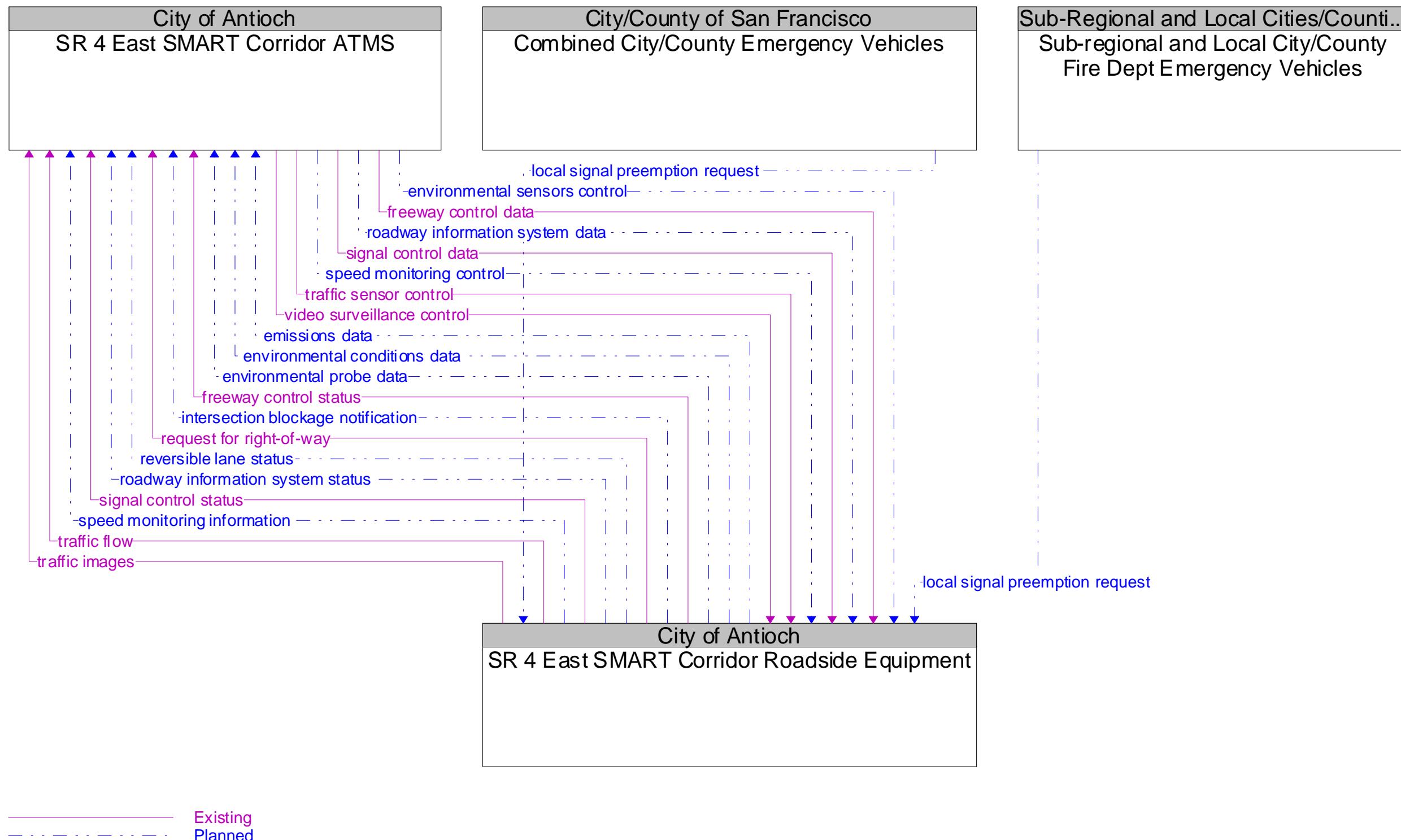
Stakeholder: **Caltrans Headquarters**
 Architecture Element: **CVO Weigh Stations (Pre-Pass)**
Information Flows Diagram



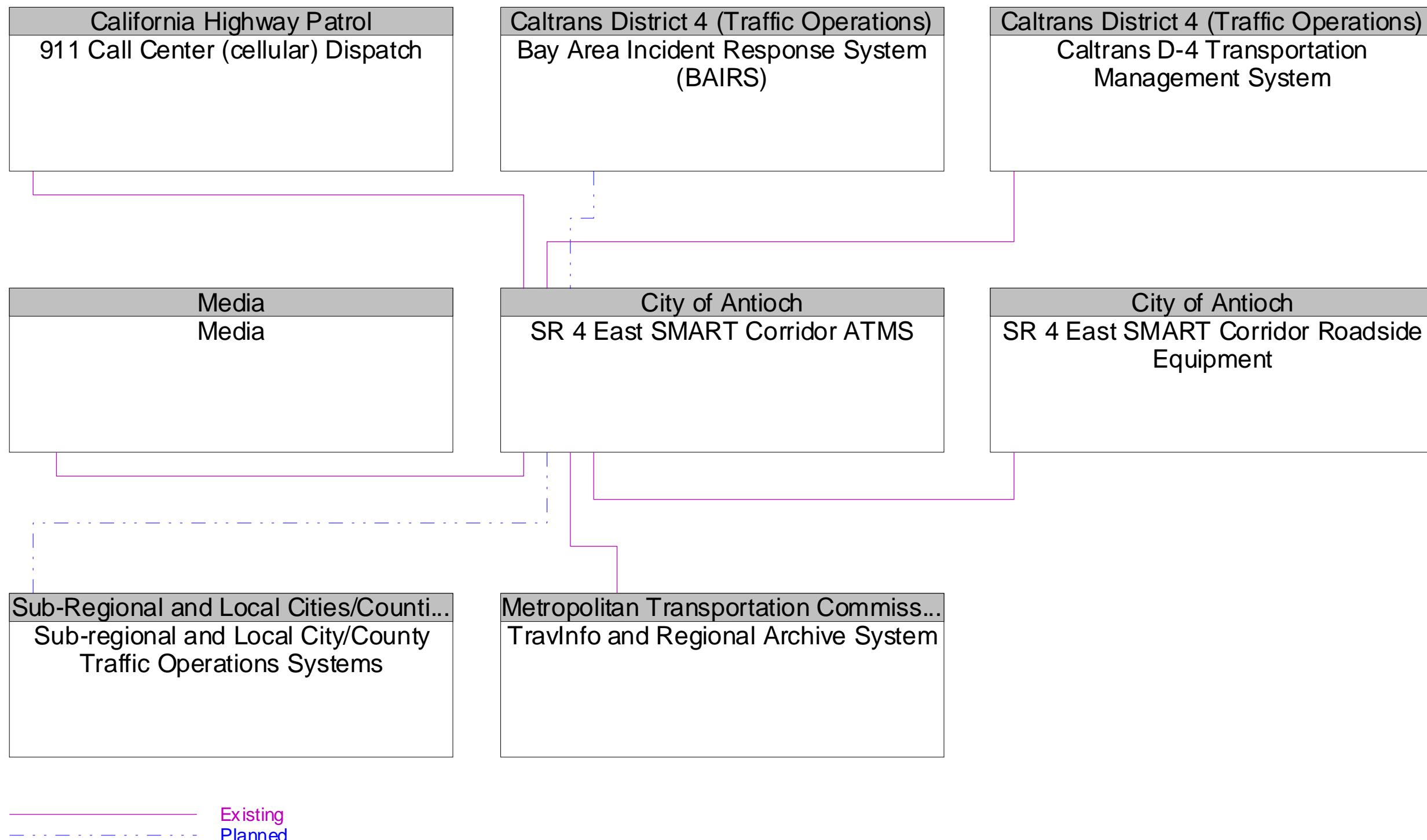
Stakeholder: **City of Antioch**
Architecture Element: **SR 4 East SMART Corridor Roadside Equipment**
Interconnect Diagram



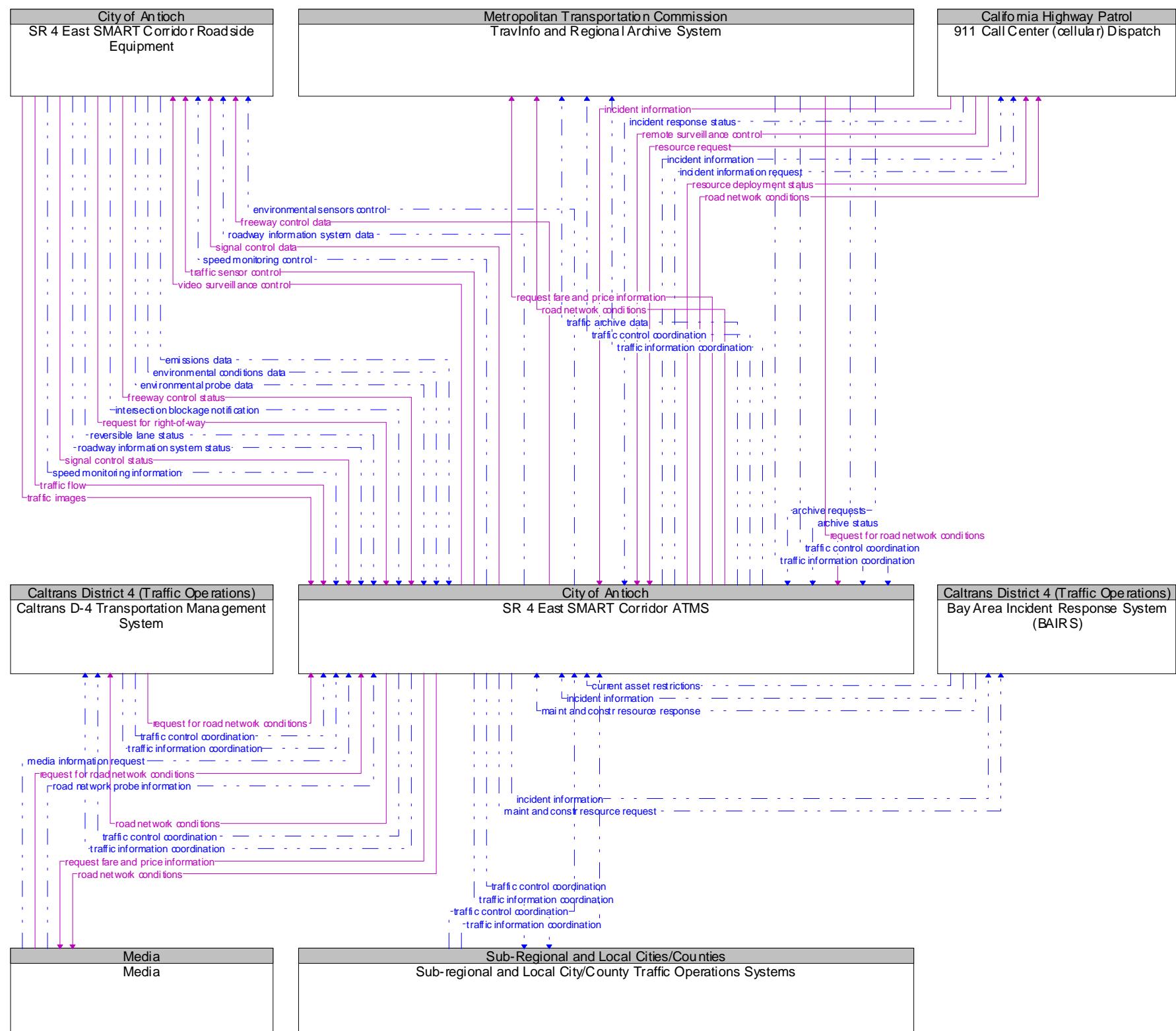
Stakeholder: **City of Antioch**
 Architecture Element: **SR 4 East SMART Corridor Roadside Equipment**
Information Flows Diagram



Stakeholder: **City of Antioch**
 Architecture Element: **SR 4 East SMART Corridor ATMS**
Interconnect Diagram



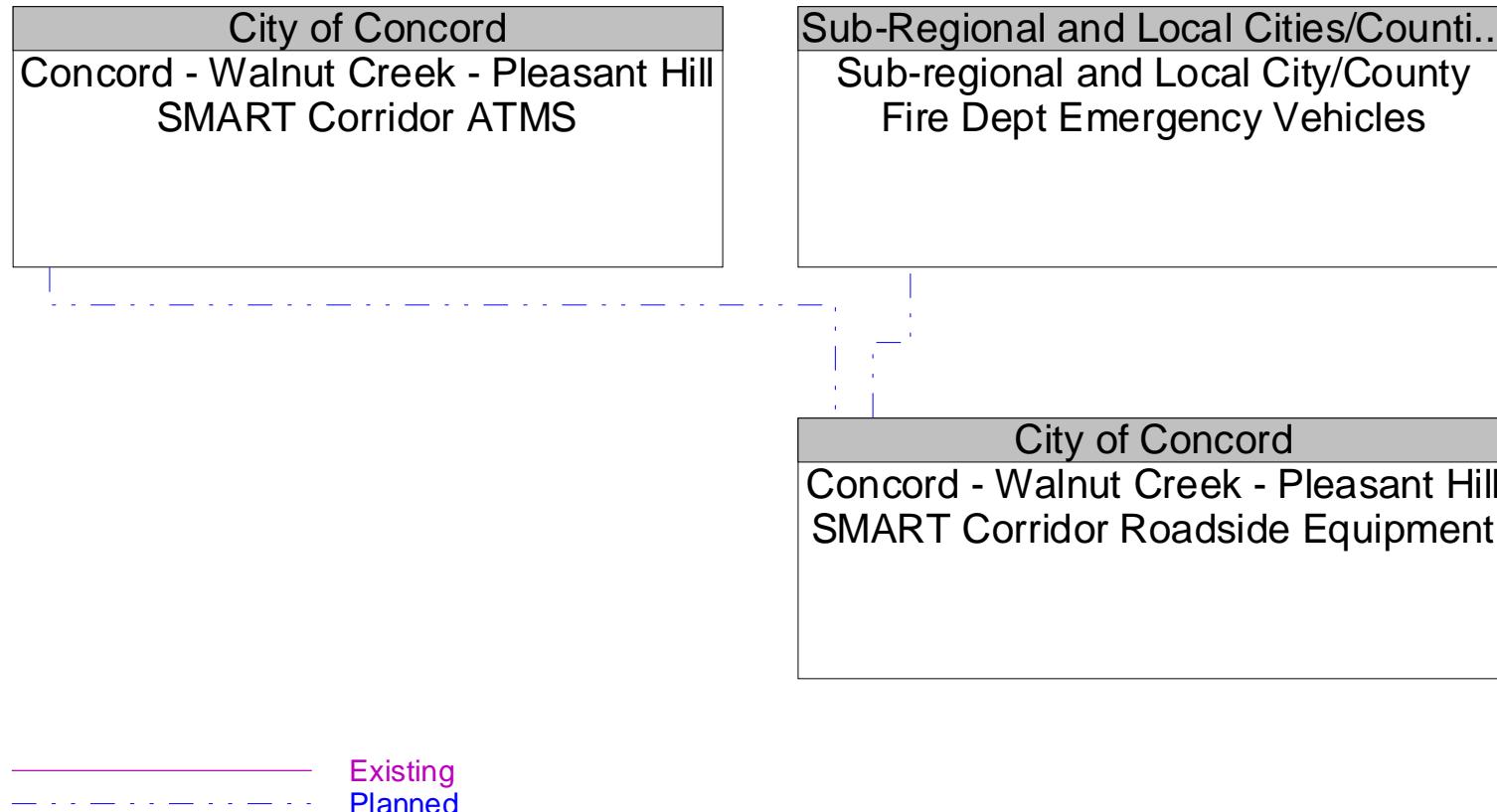
Stakeholder: **City of Antioch**
 Architecture Element: **SR 4 East SMART Corridor ATMS**
Information Flows Diagram



— Existing
 - - - - - Planned

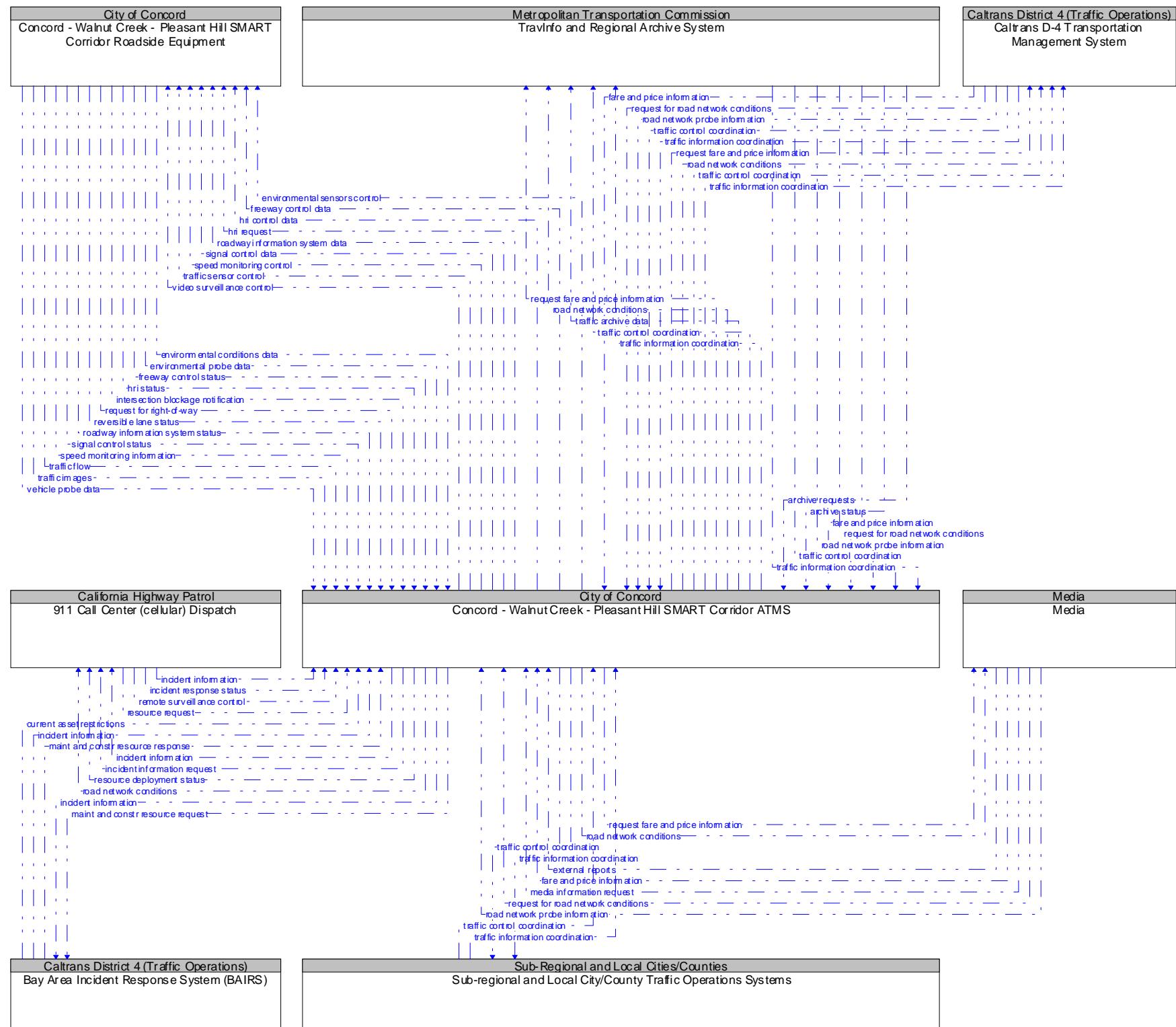
Stakeholder: **City of Concord**
Architecture Element: **Concord - Walnut Creek - Pleasant Hill SMART Corridor**
Roadside Equipment

Interconnect Diagram



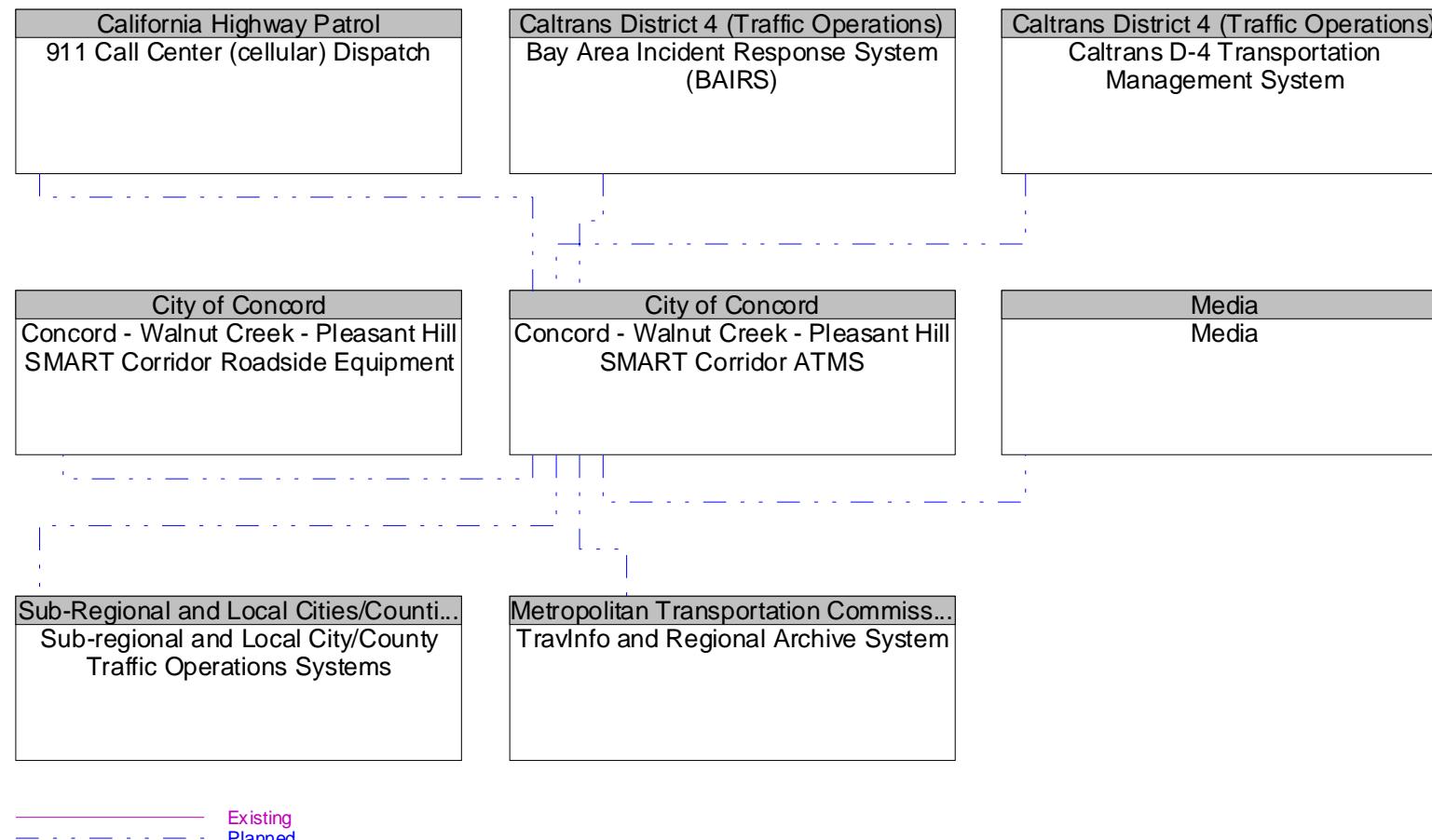
Stakeholder: **City of Concord**
 Architecture Element: **Concord - Walnut Creek - Pleasant Hill SMART Corridor Roadside Equipment**

Information Flows Diagram

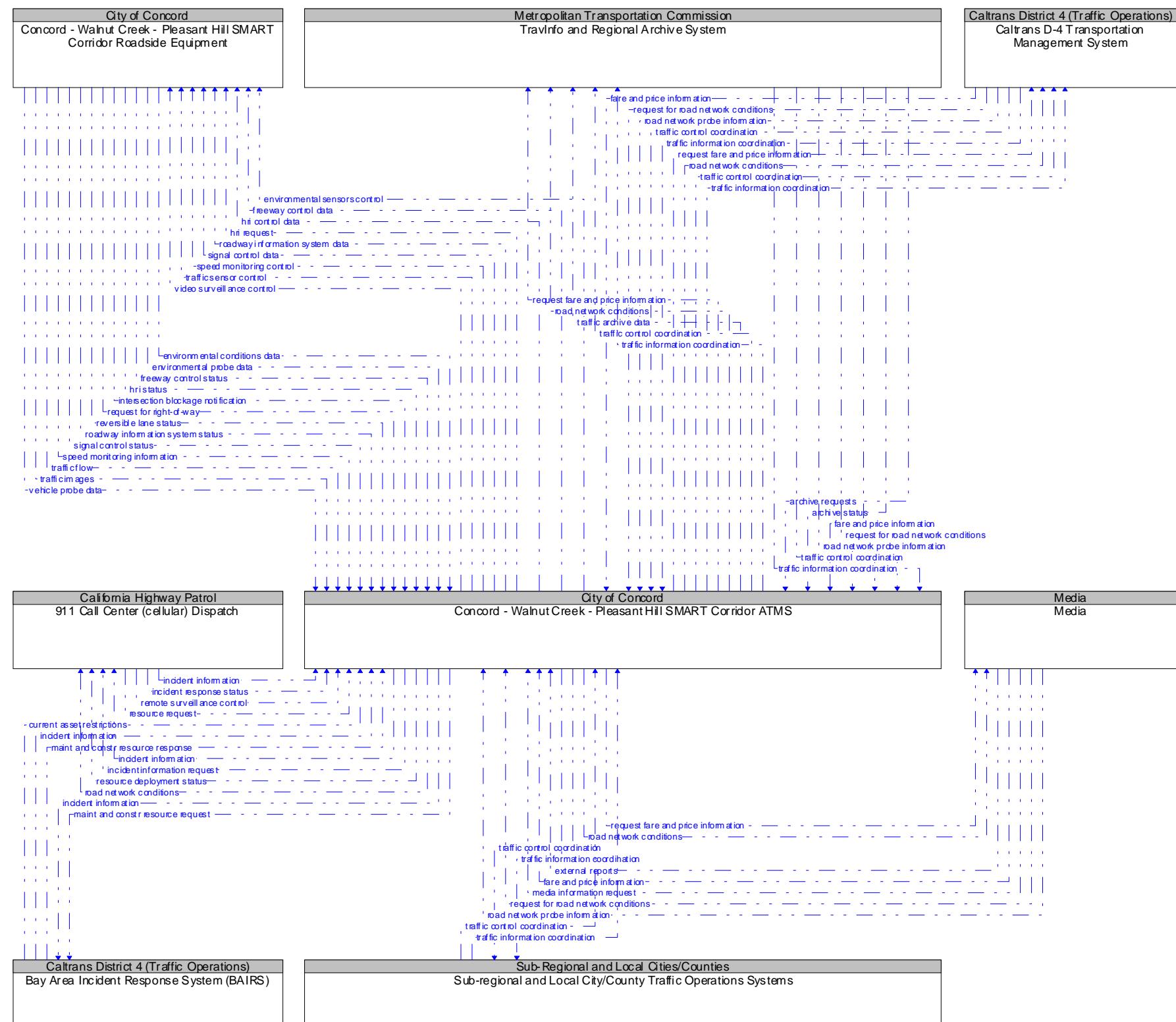


— Existing
— Planned

Stakeholder: **City of Concord**
Architecture Element: **Concord - Walnut Creek - Pleasant Hill SMART Corridor ATMS**
Interconnect Diagram

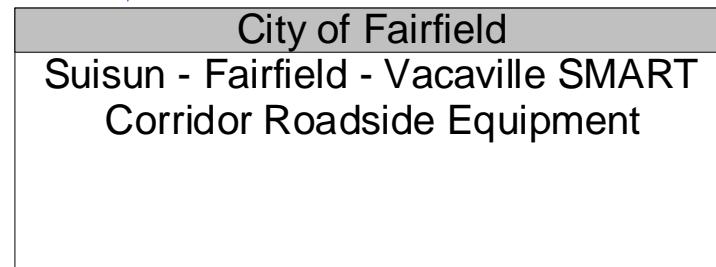
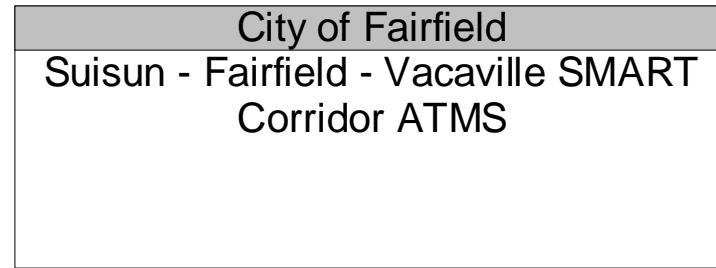
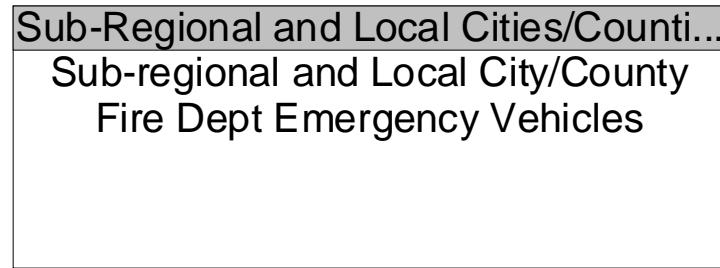


Stakeholder: **City of Concord**
 Architecture Element: **Concord - Walnut Creek - Pleasant Hill SMART Corridor ATMS**
Information Flows Diagram



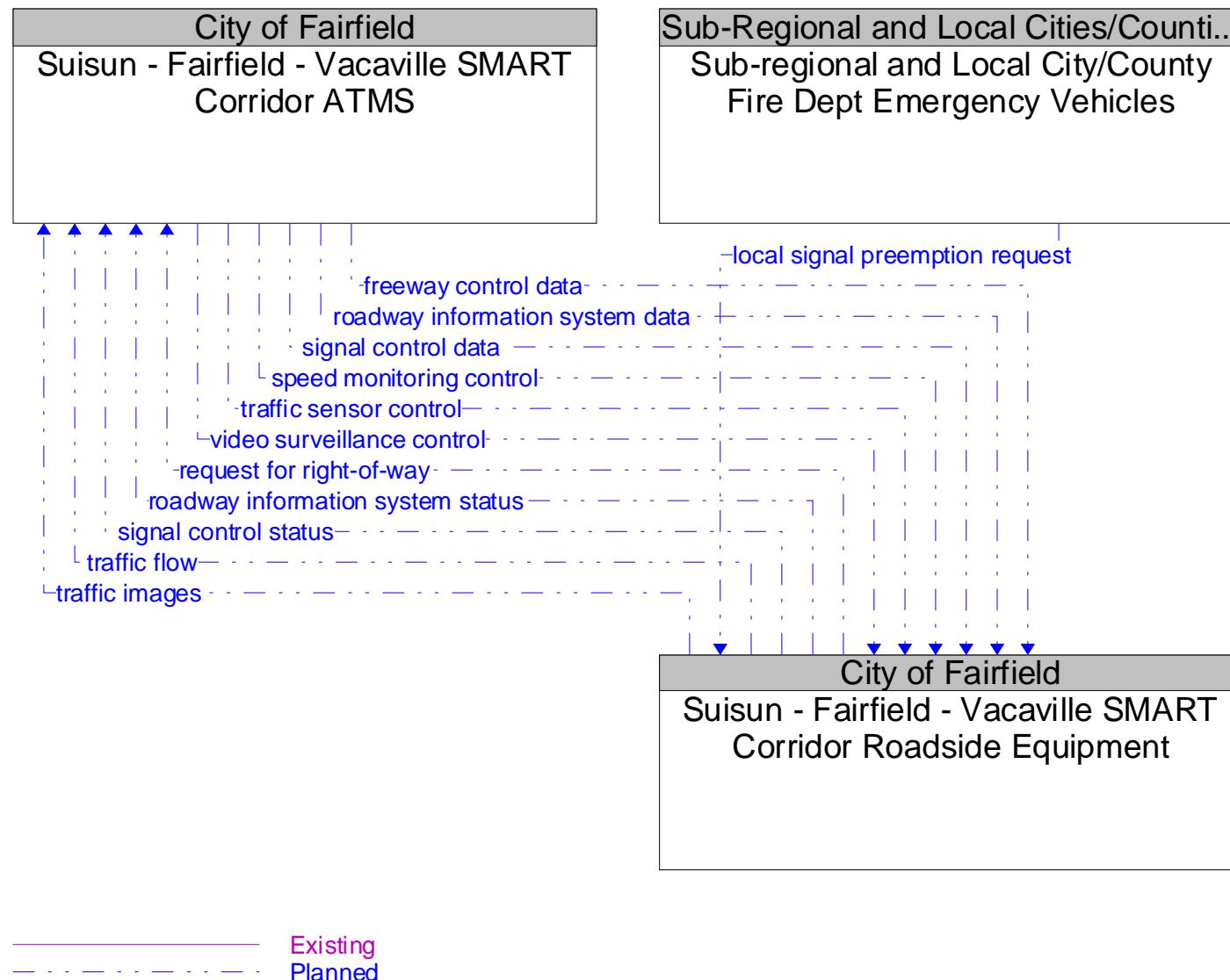
Stakeholder: **City of Fairfield**
Architecture Element: **Suisun - Fairfield - Vacaville SMART Corridor Roadside Equipment**

Interconnect Diagram

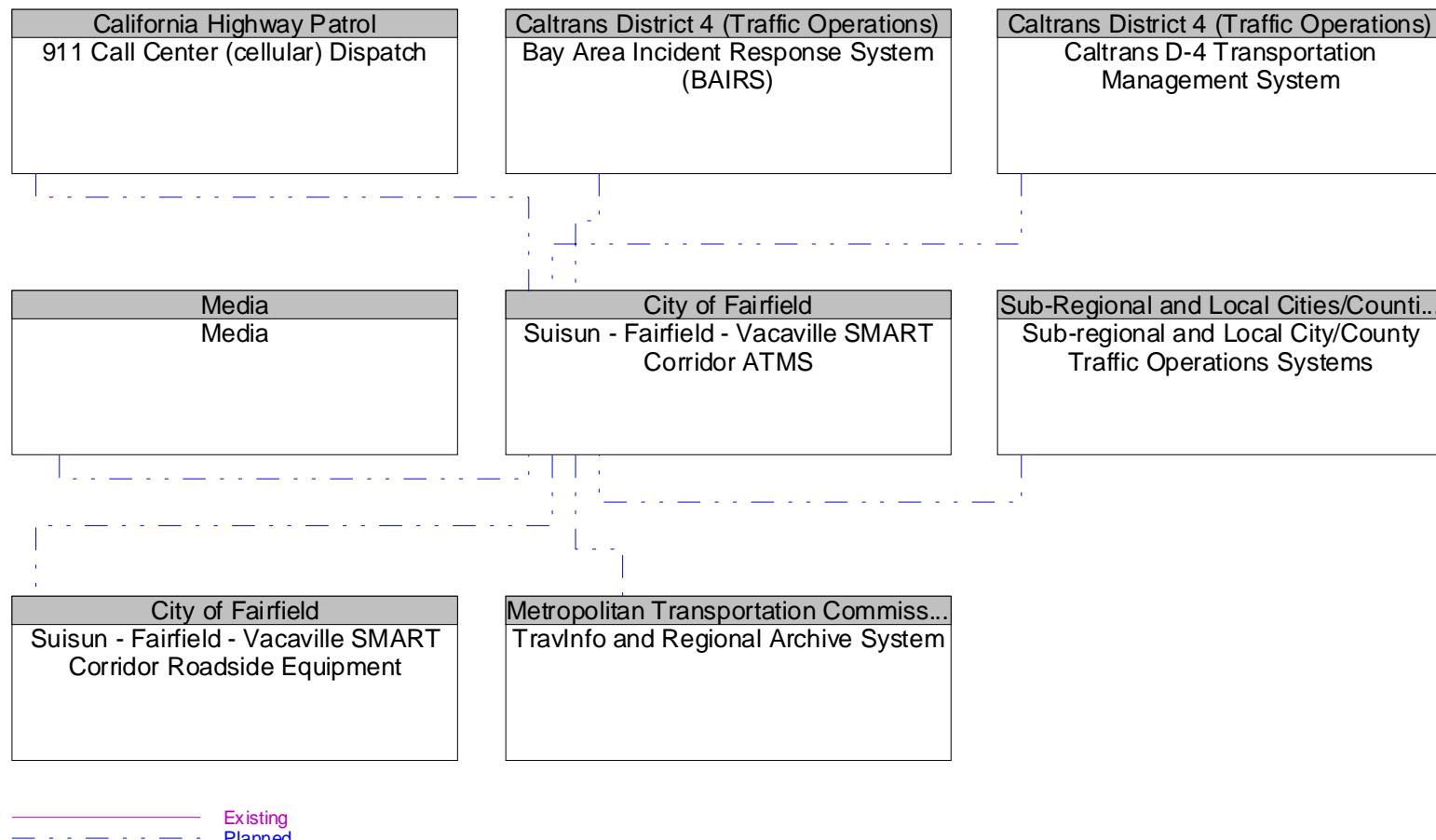


— Existing
- - - - - Planned

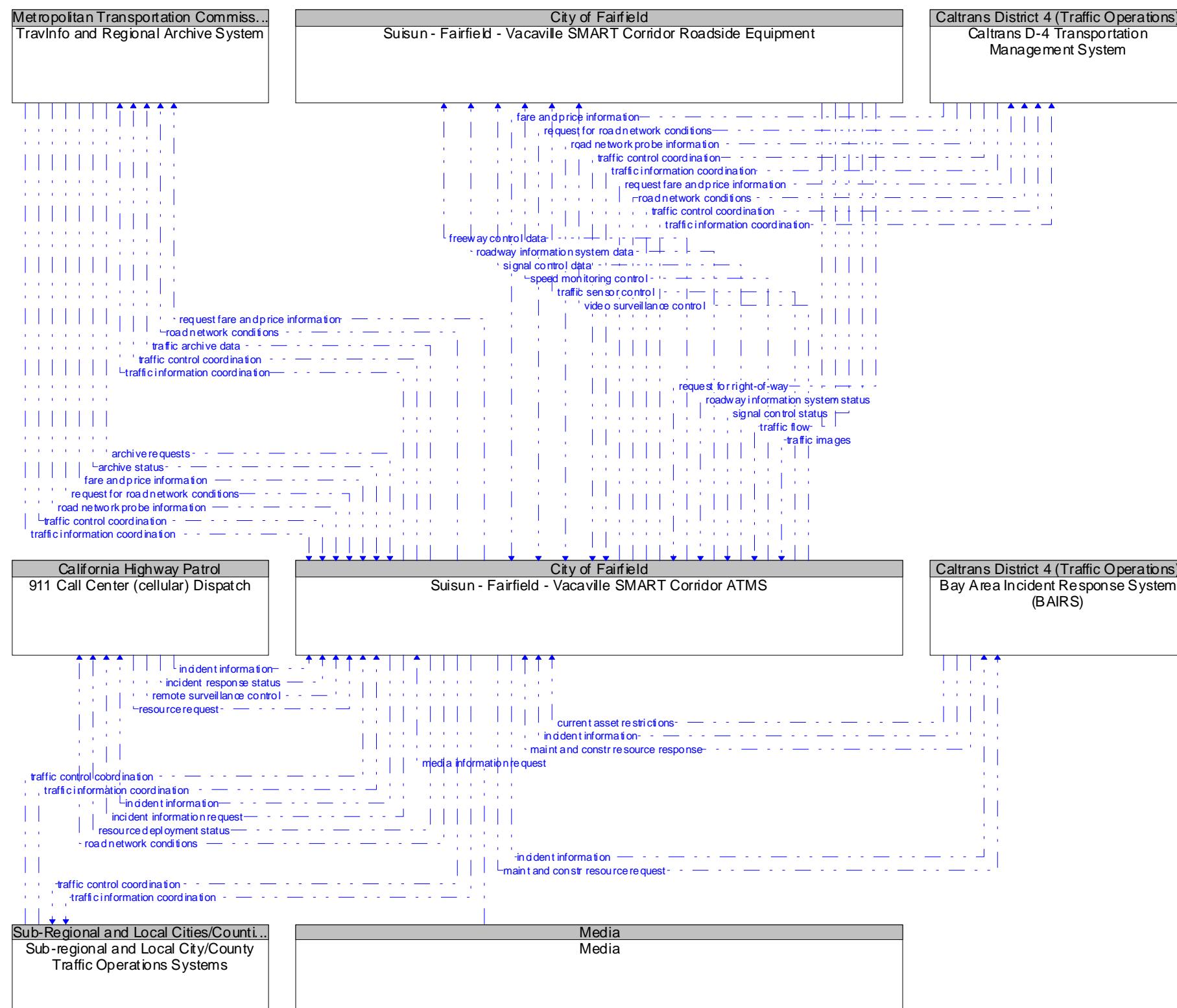
Stakeholder: **City of Fairfield**
 Architecture Element: **Suisun - Fairfield - Vacaville SMART Corridor Roadside Equipment**

Information Flows Diagram

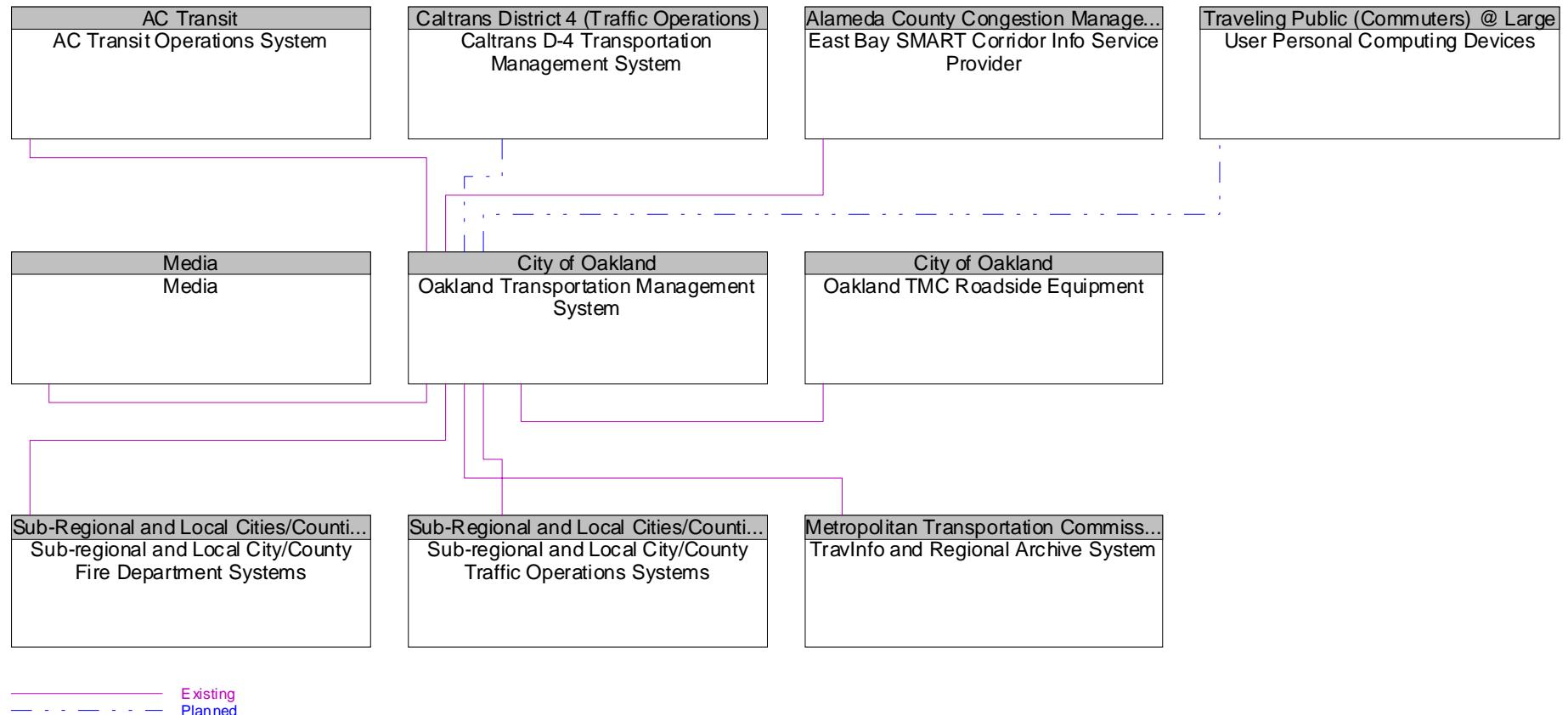
Stakeholder: **City of Fairfield**
Architecture Element: **Suisun - Fairfield - Vacaville SMART Corridor ATMS**
Interconnect Diagram



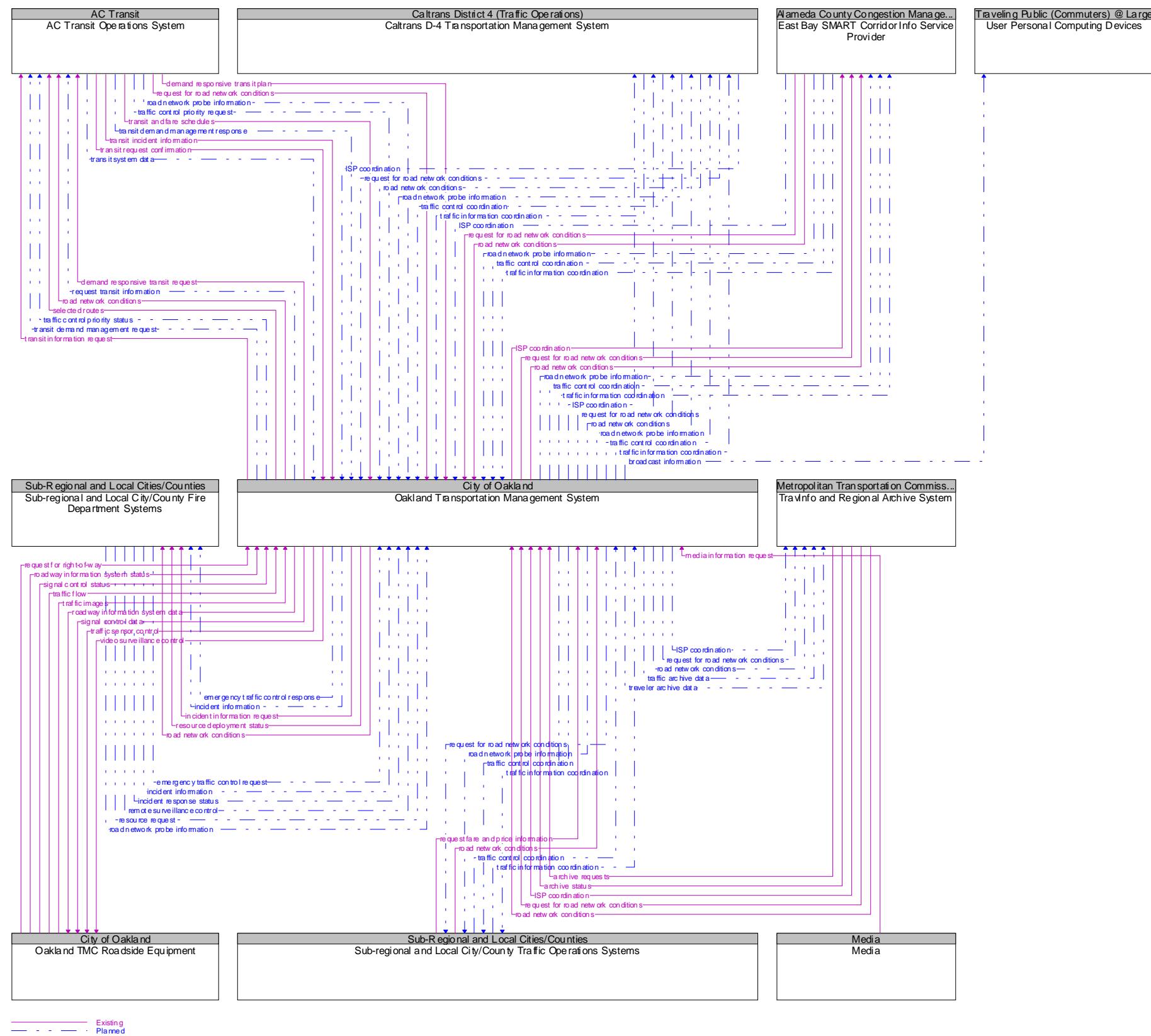
Stakeholder: **City of Fairfield**
 Architecture Element: **Suisun - Fairfield - Vacaville SMART Corridor ATMS**
Information Flows Diagram



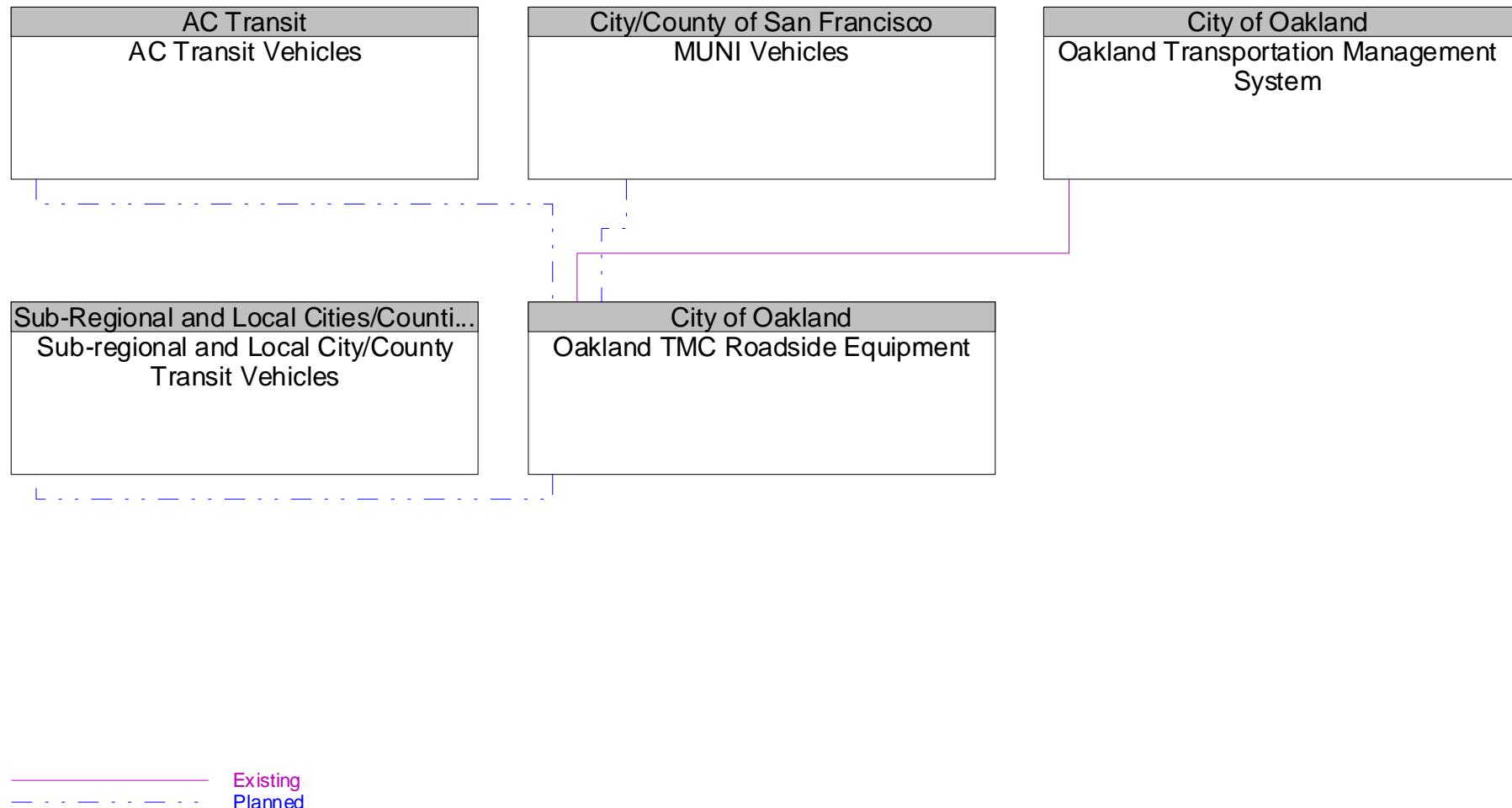
Stakeholder: **City of Oakland**
 Architecture Element: **Oakland Transportation Management System**
Interconnect Diagram



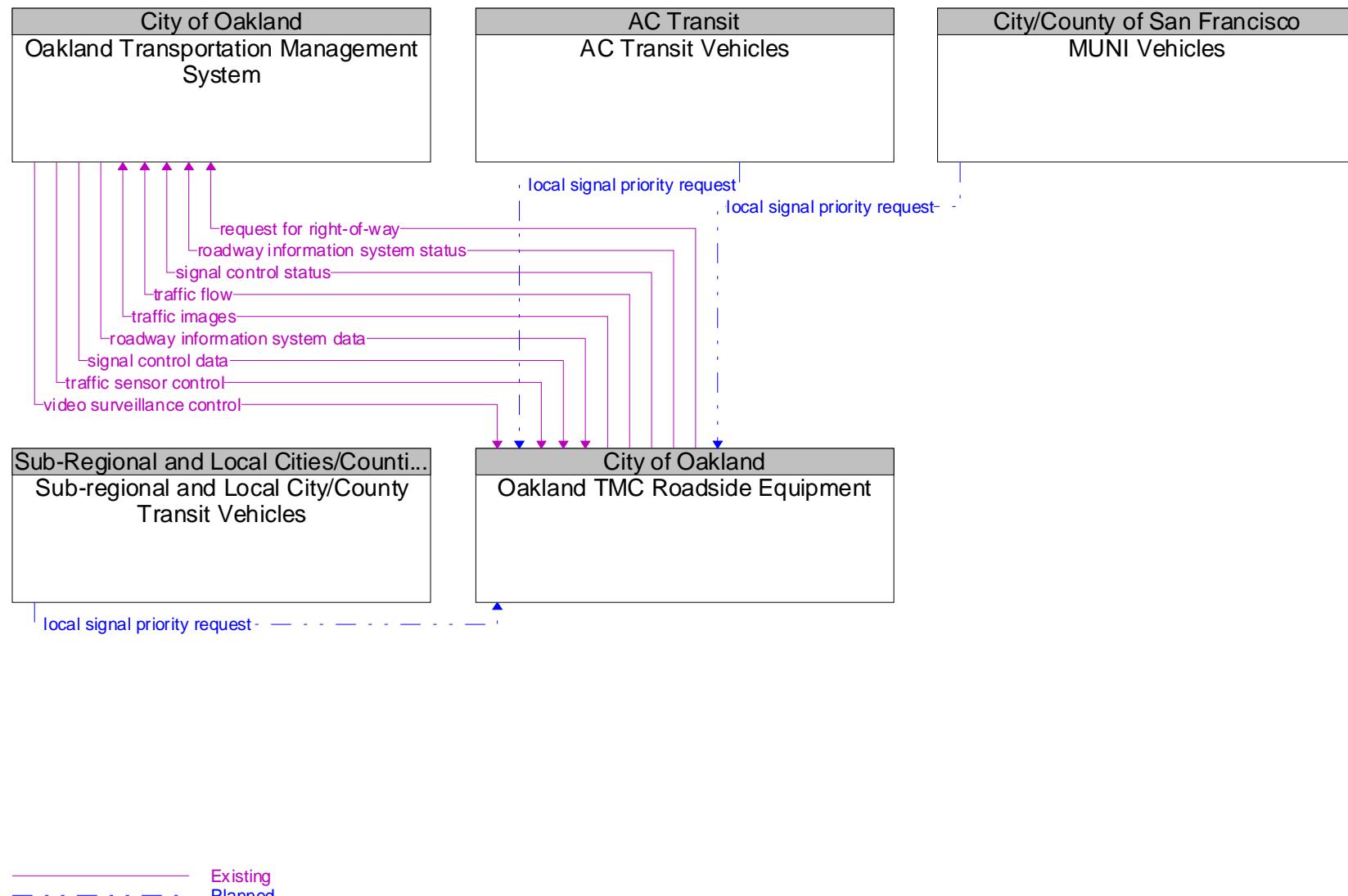
Stakeholder: **City of Oakland**
 Architecture Element: **Oakland Transportation Management System**
Information Flows Diagram



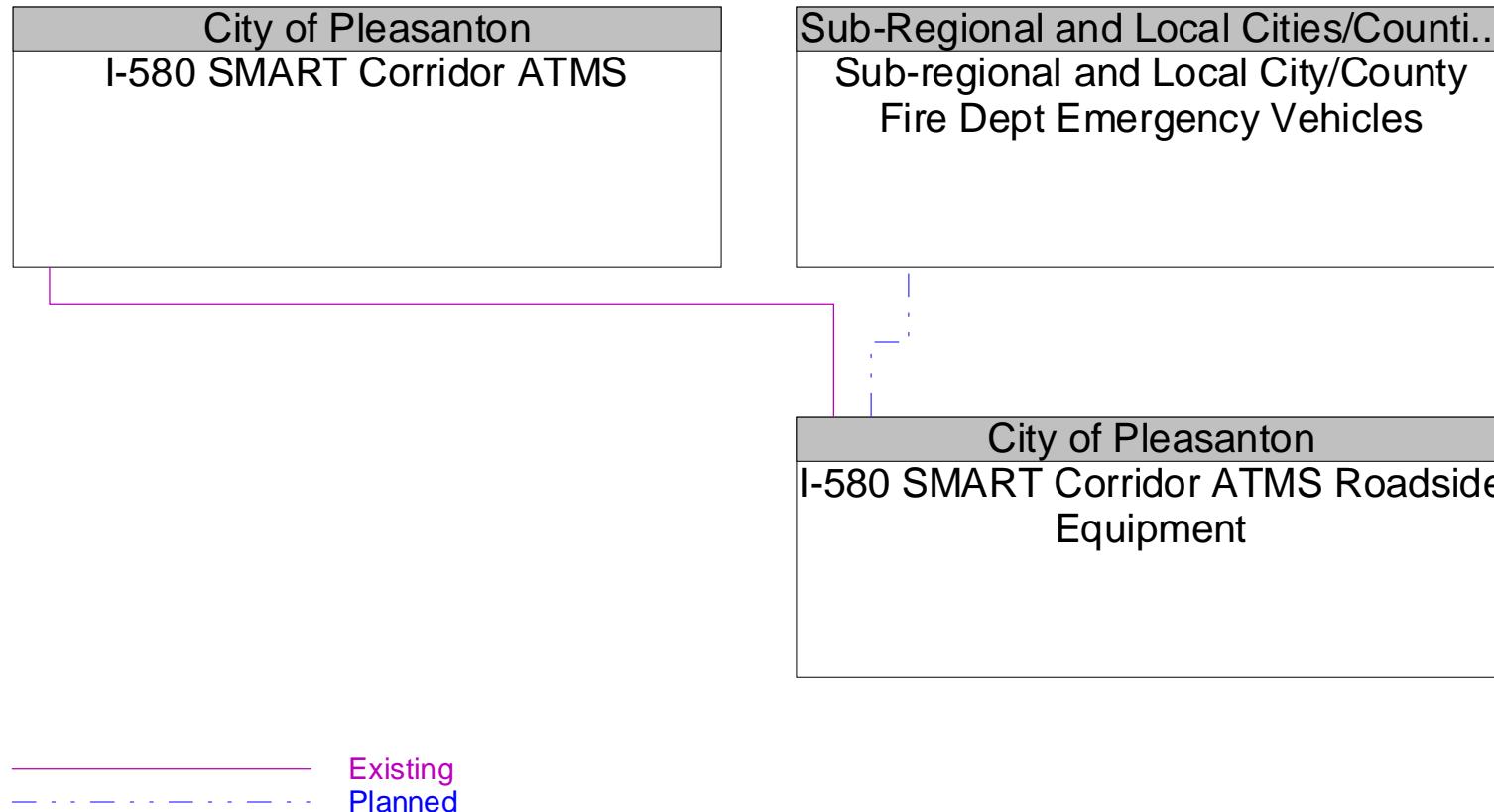
Stakeholder: **City of Oakland**
 Architecture Element: **Oakland TMC Roadside Equipment**
Interconnect Diagram



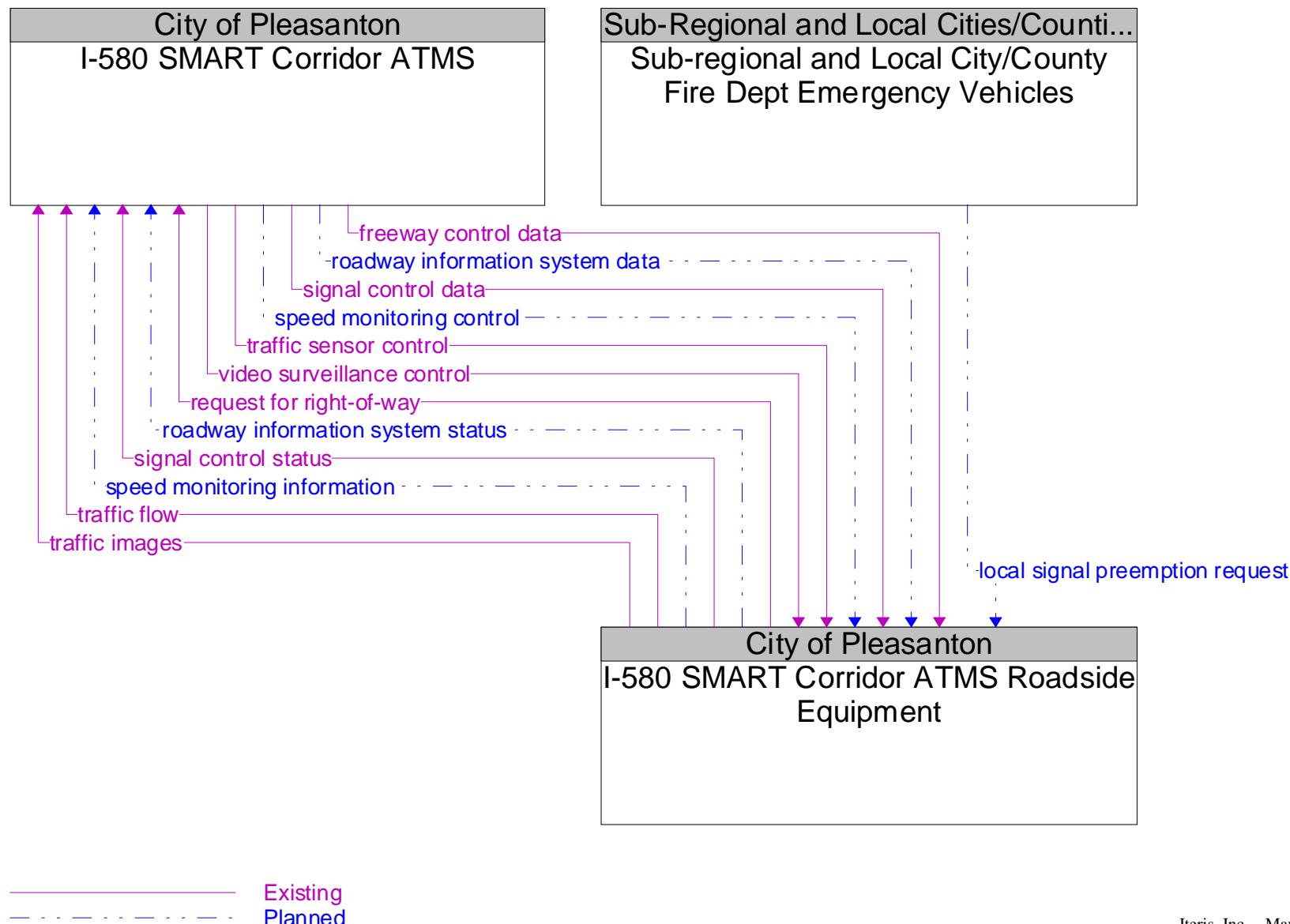
Stakeholder: **City of Oakland**
 Architecture Element: **Oakland TMC Roadside Equipment**
Information Flows Diagram



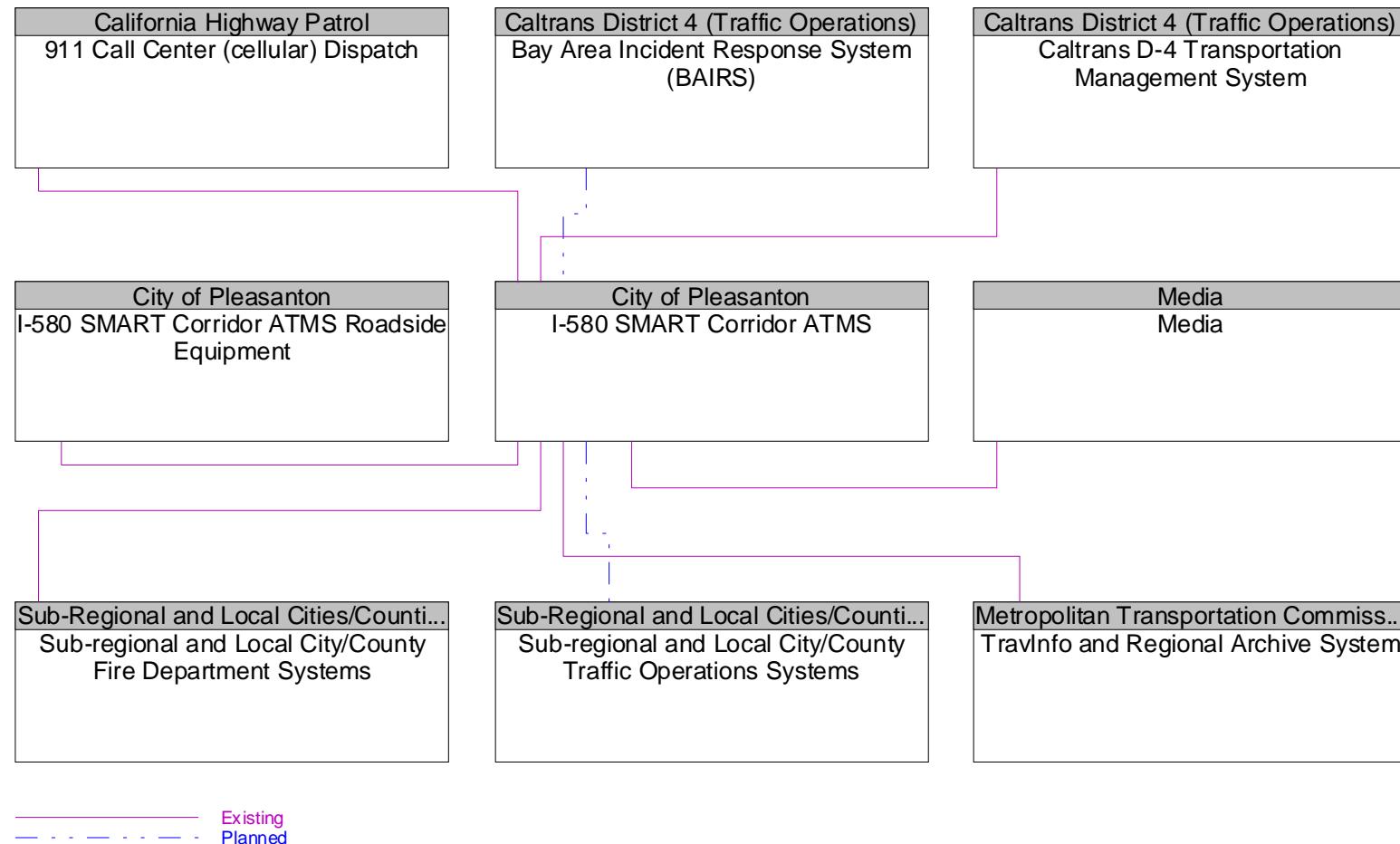
Stakeholder: **City of Pleasanton**
Architecture Element: **I-580 SMART Corridor ATMS Roadside Equipment**
Interconnect Diagram



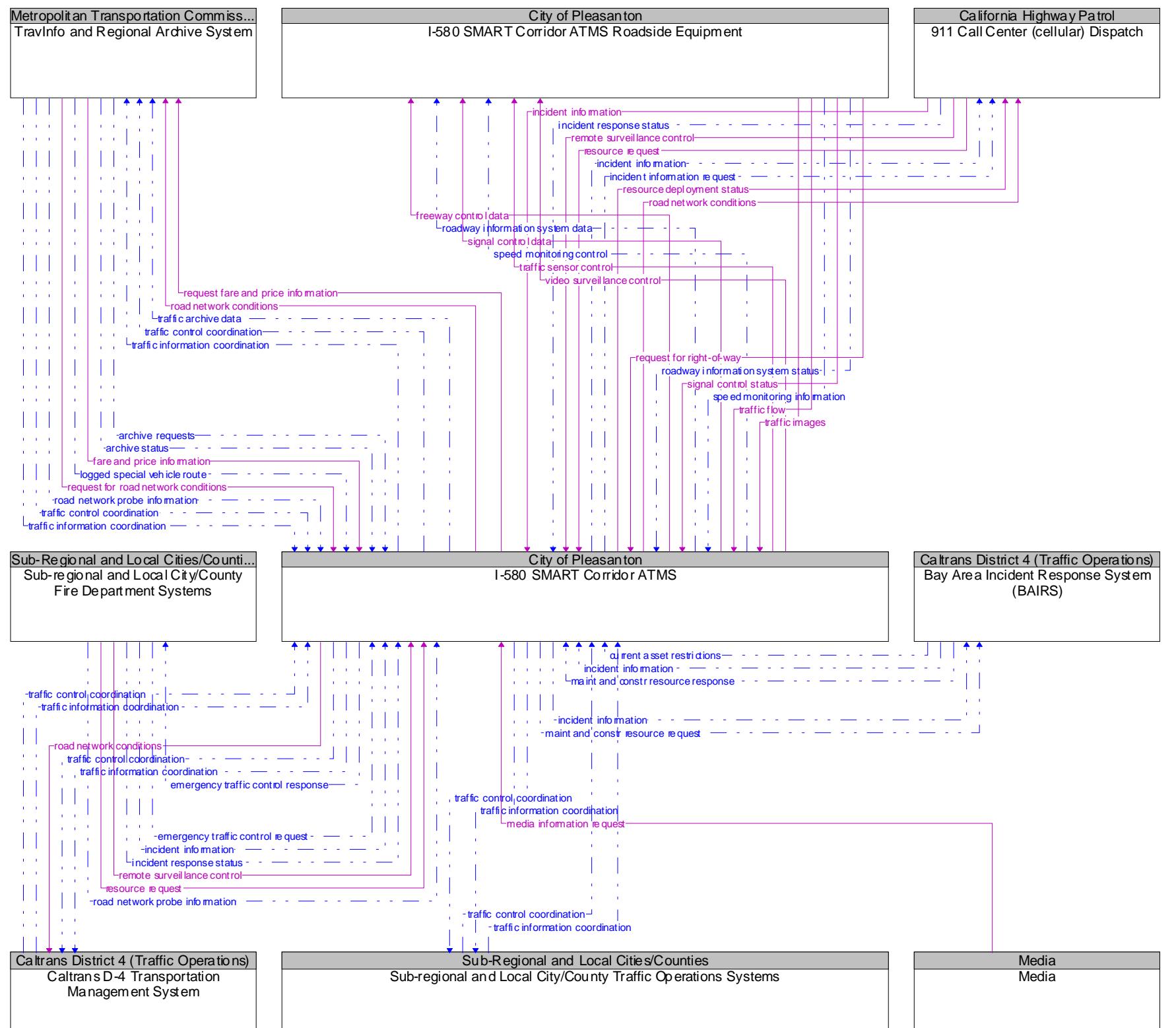
Stakeholder: **City of Pleasanton**
Architecture Element: **I-580 SMART Corridor ATMS Roadside Equipment**
Information Flows Diagram



Stakeholder: **City of Pleasanton**
Architecture Element: **I-580 SMART Corridor ATMS**
Interconnect Diagram

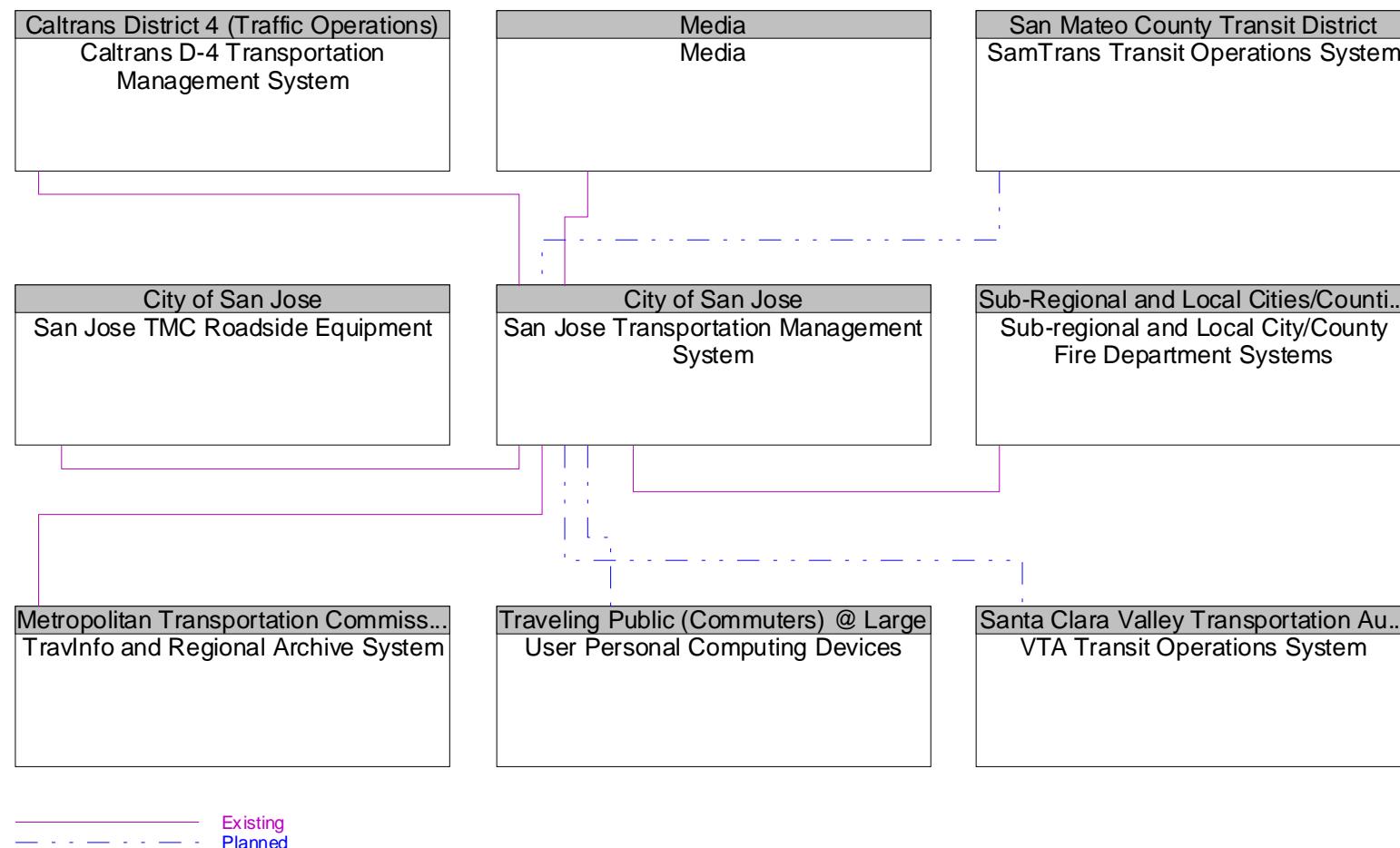


Stakeholder: **City of Pleasanton**
 Architecture Element: **I-580 SMART Corridor ATMS**
Information Flows Diagram



Existing
Planned

Stakeholder: **City of San Jose**
Architecture Element: **San Jose Transportation Management System**
Interconnect Diagram



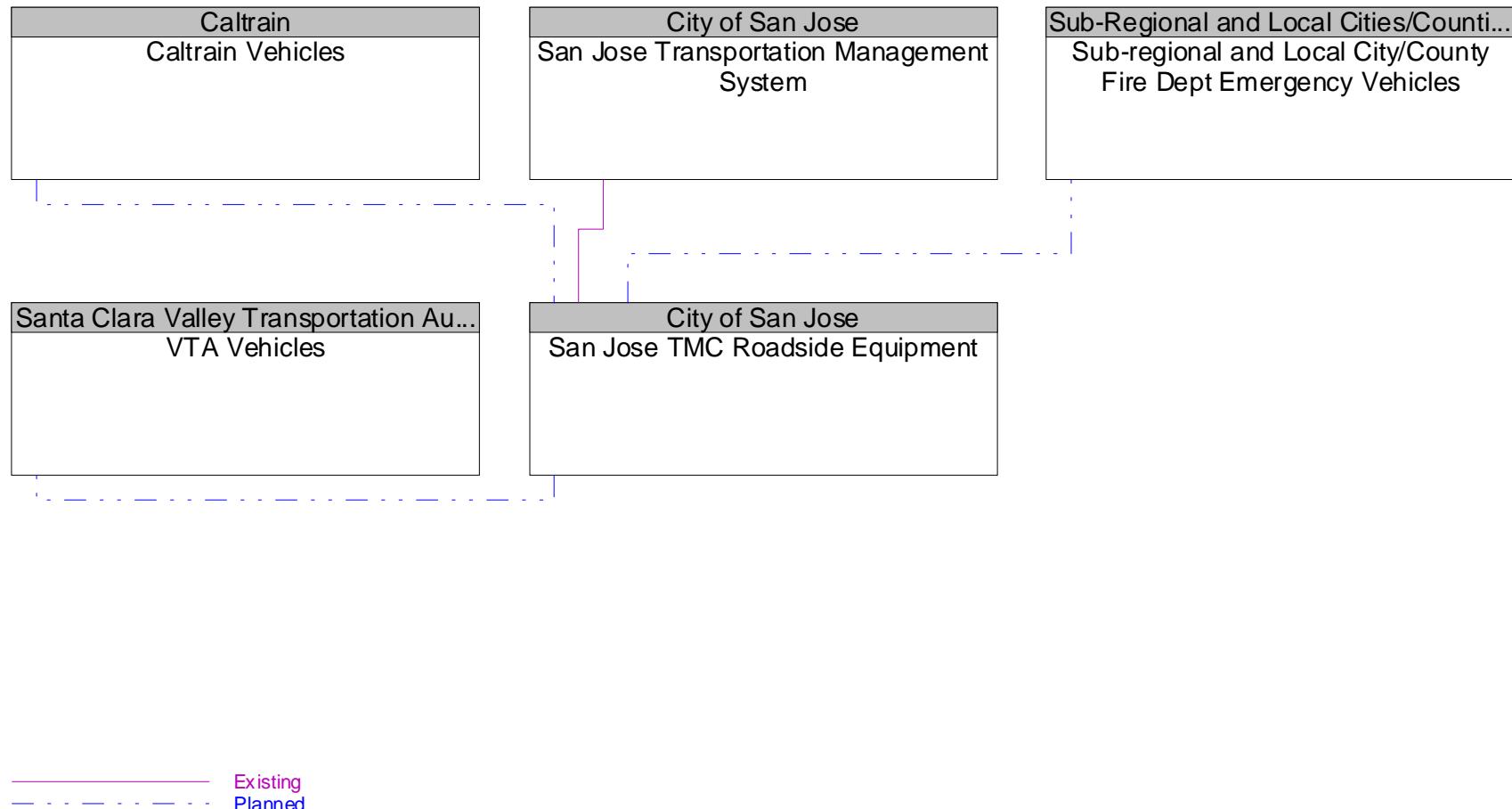
— Existing
- - - - - Planned

Stakeholder: **City of San Jose**
 Architecture Element: **San Jose Transportation Management System**
Information Flows Diagram

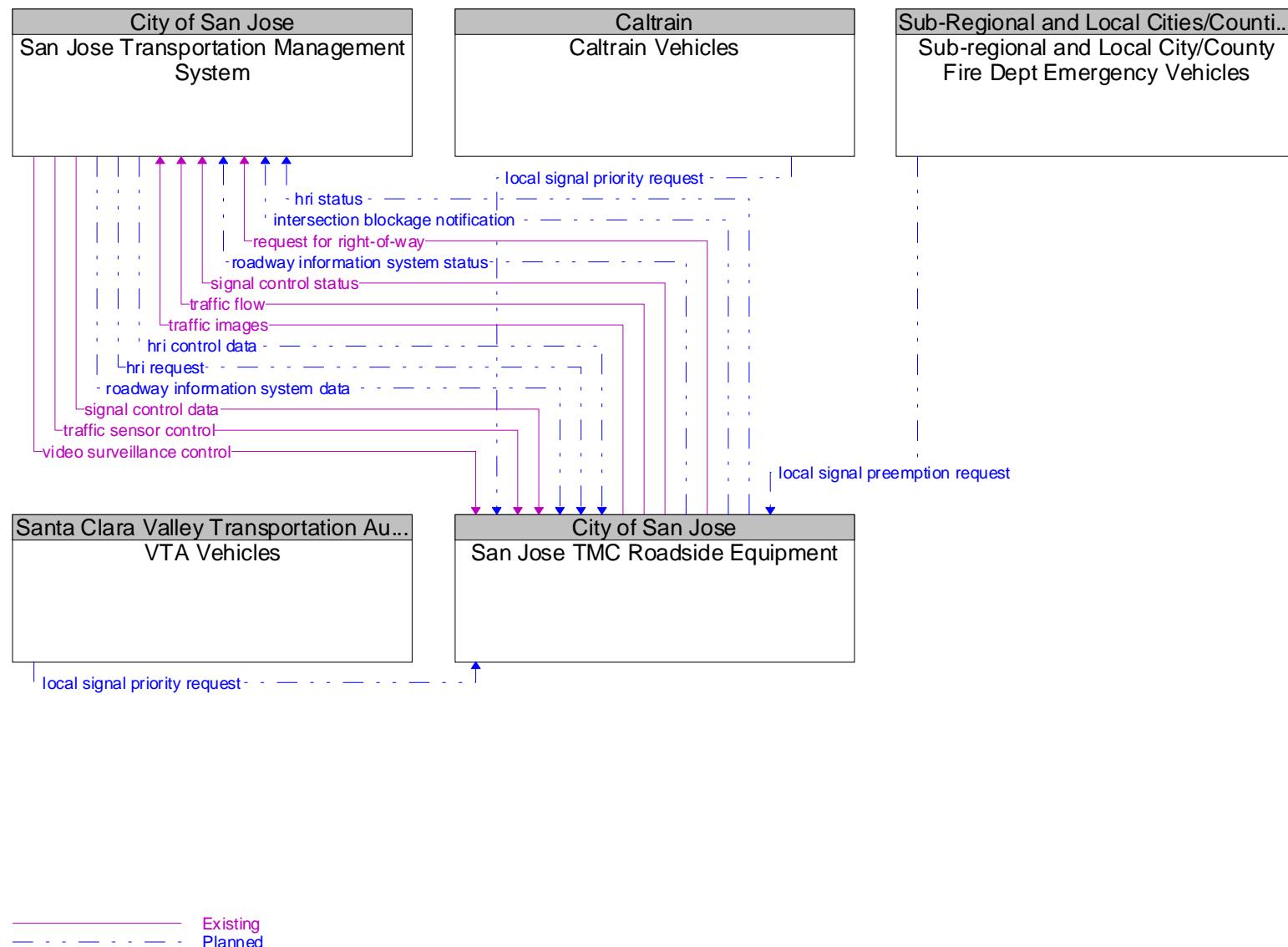


Existing
Planned

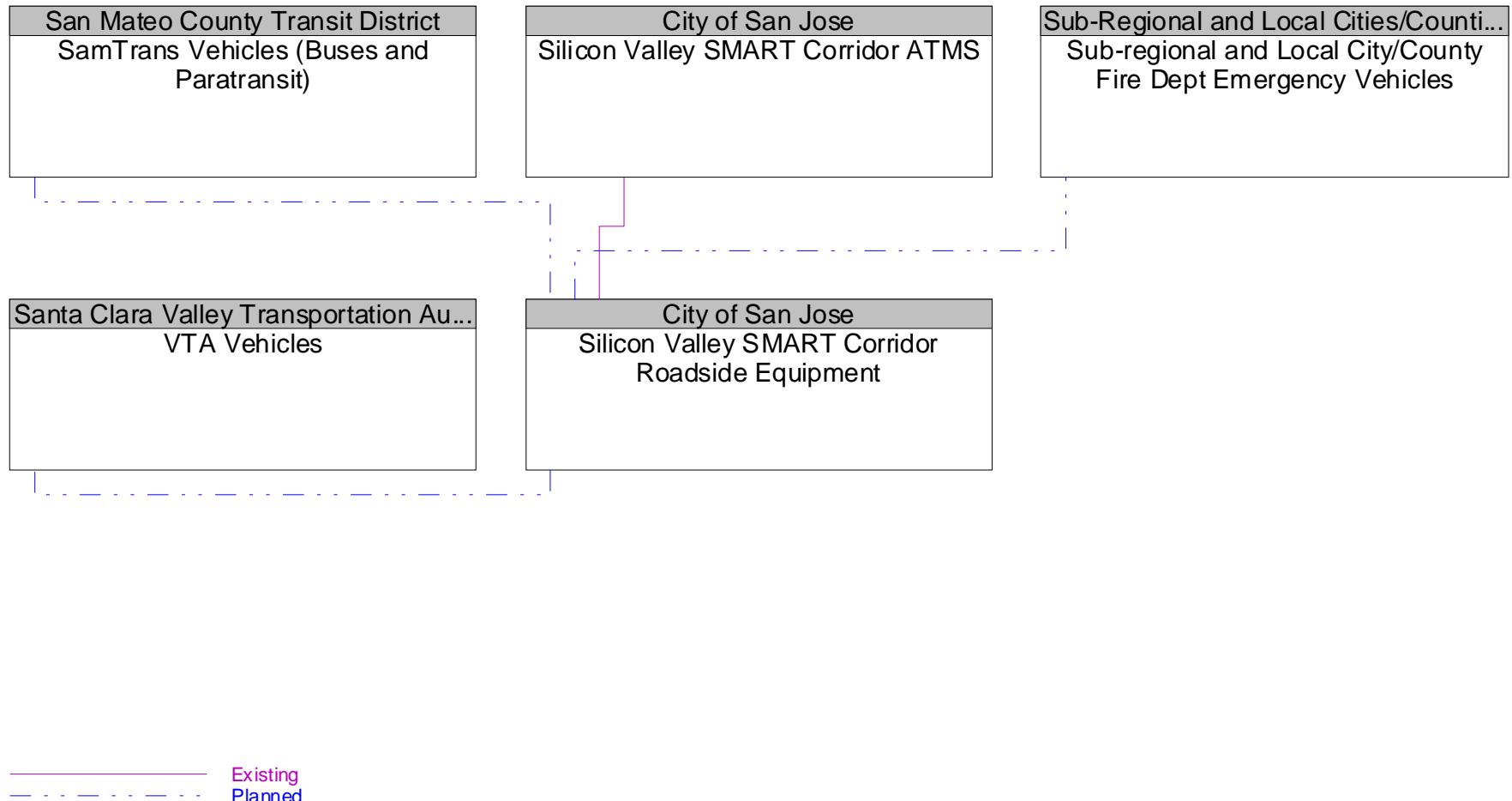
Stakeholder: **City of San Jose**
Architecture Element: **San Jose TMC Roadside Equipment**
Interconnect Diagram



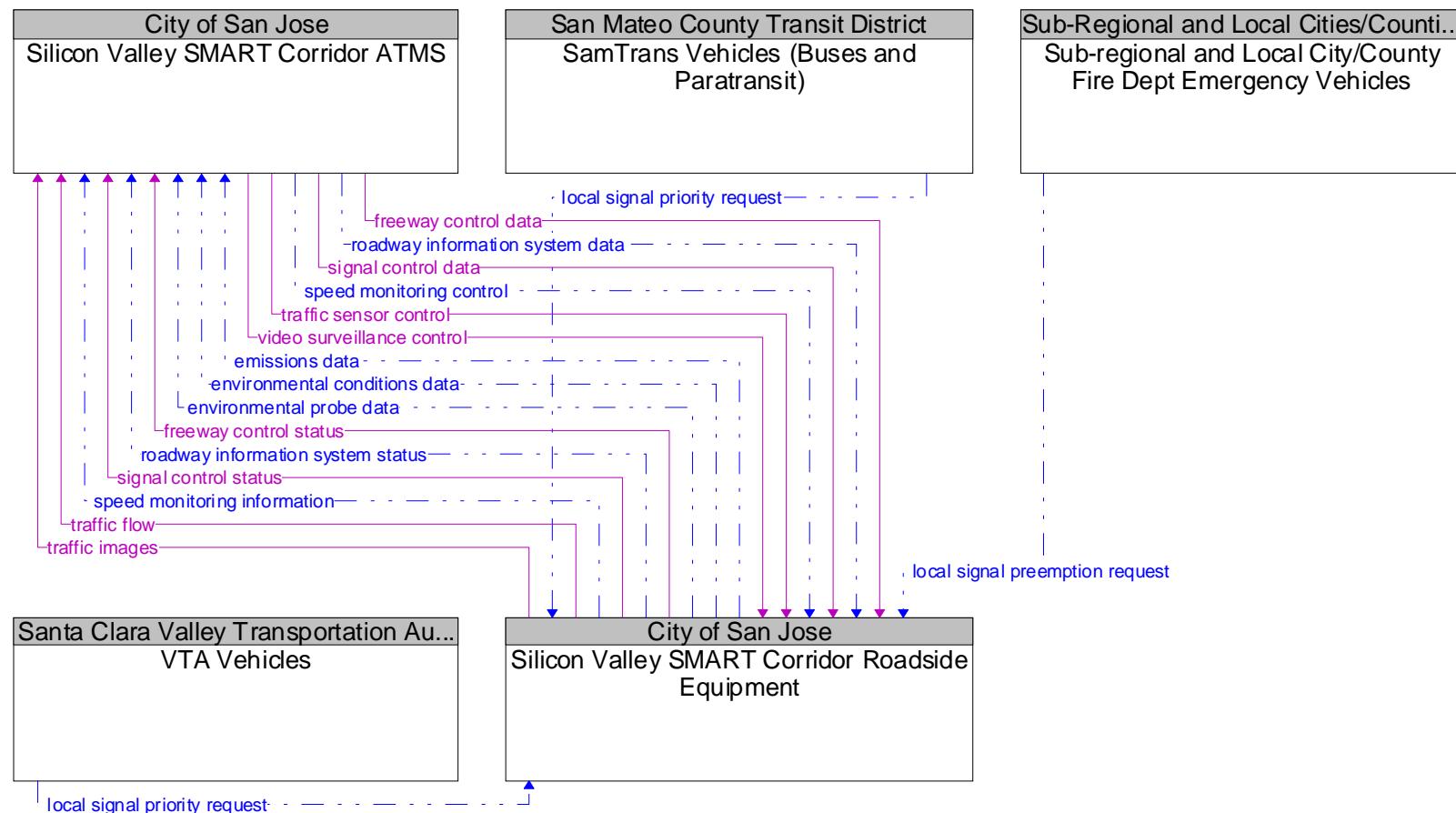
Stakeholder: **City of San Jose**
 Architecture Element: **San Jose TMC Roadside Equipment**
Information Flows Diagram



Stakeholder: **City of San Jose**
 Architecture Element: **Silicon Valley SMART Corridor Roadside Equipment**
Interconnect Diagram

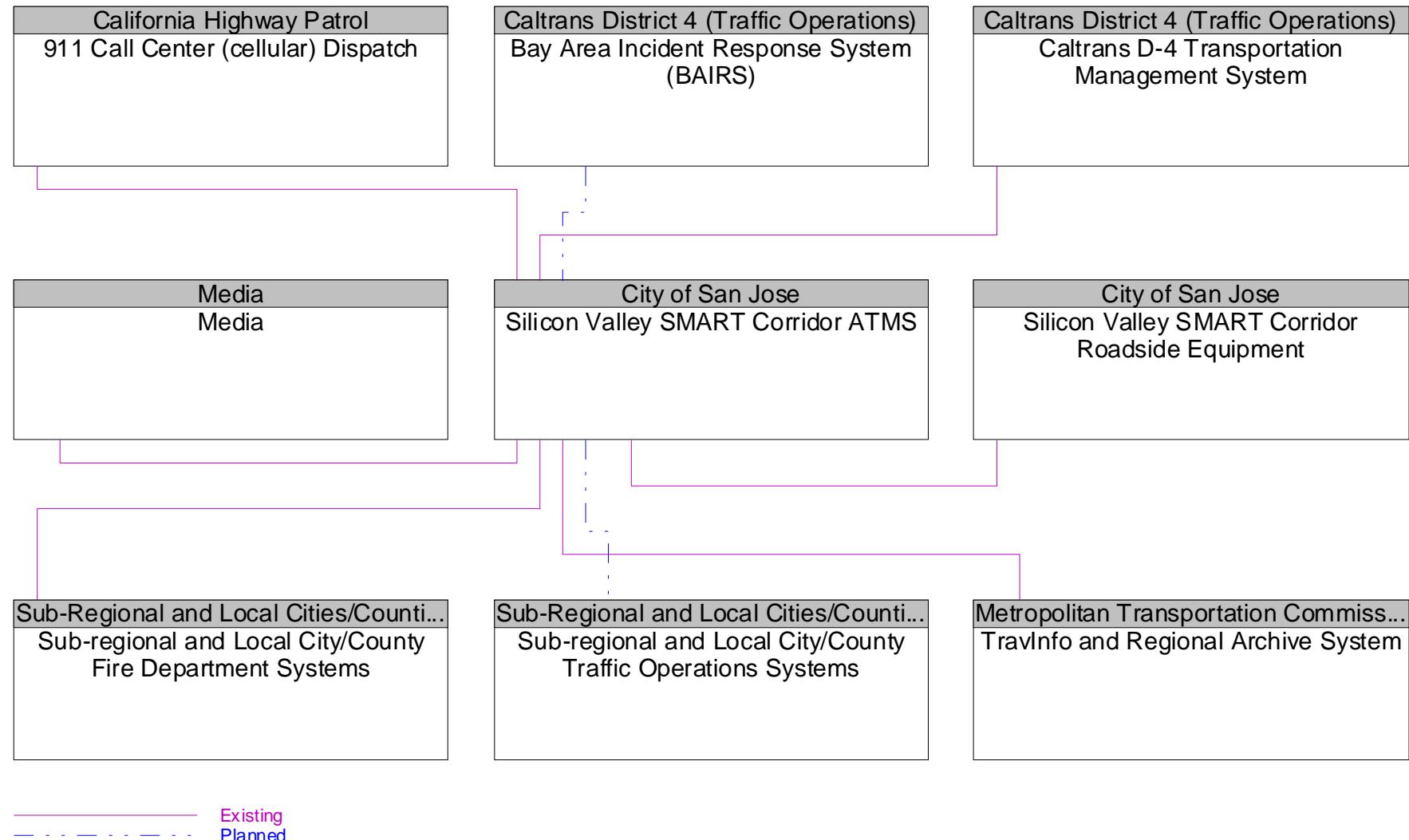


Stakeholder: **City of San Jose**
 Architecture Element: **Silicon Valley SMART Corridor Roadside Equipment**
Information Flows Diagram

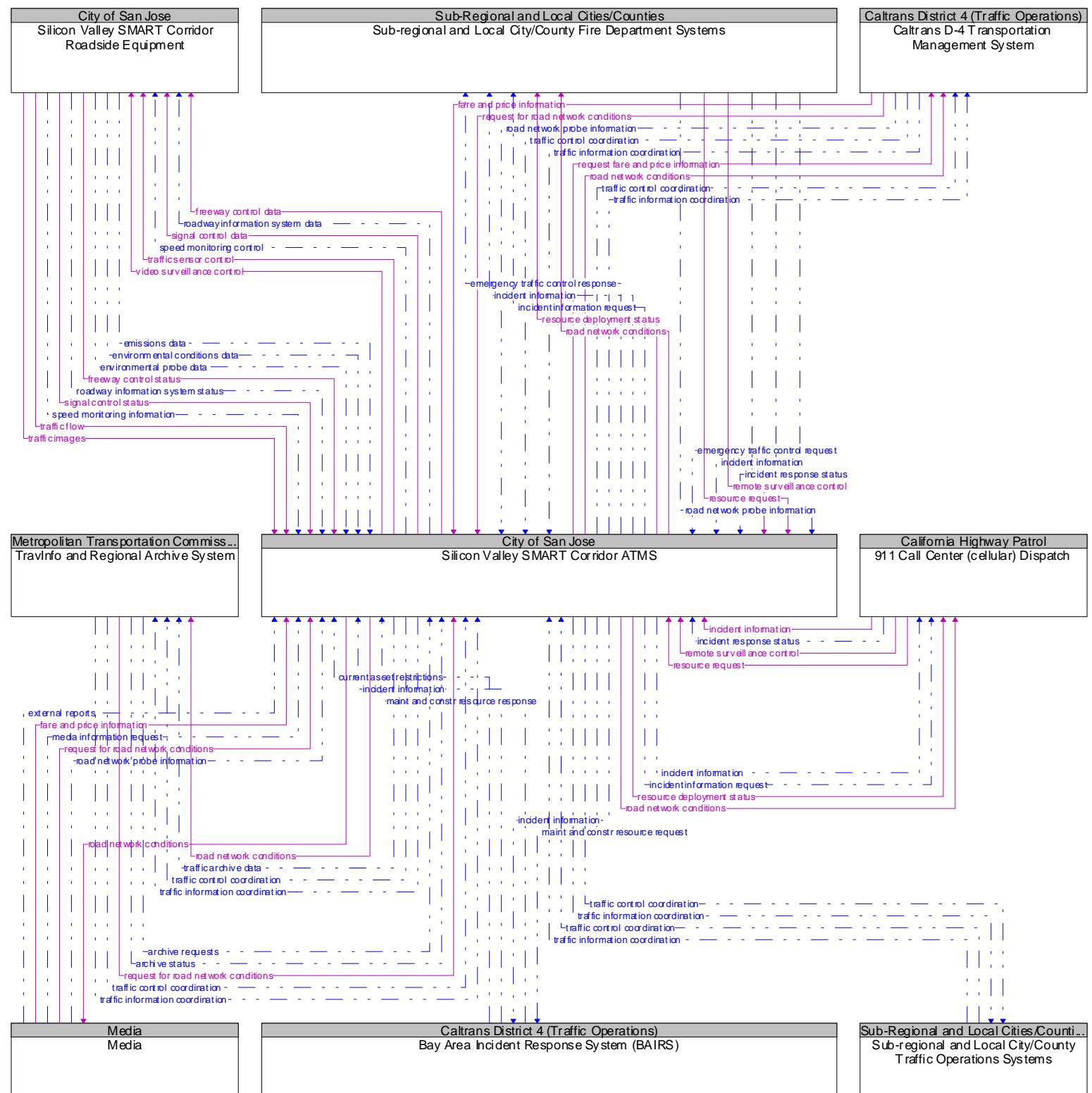


— Existing
 - - - - - Planned

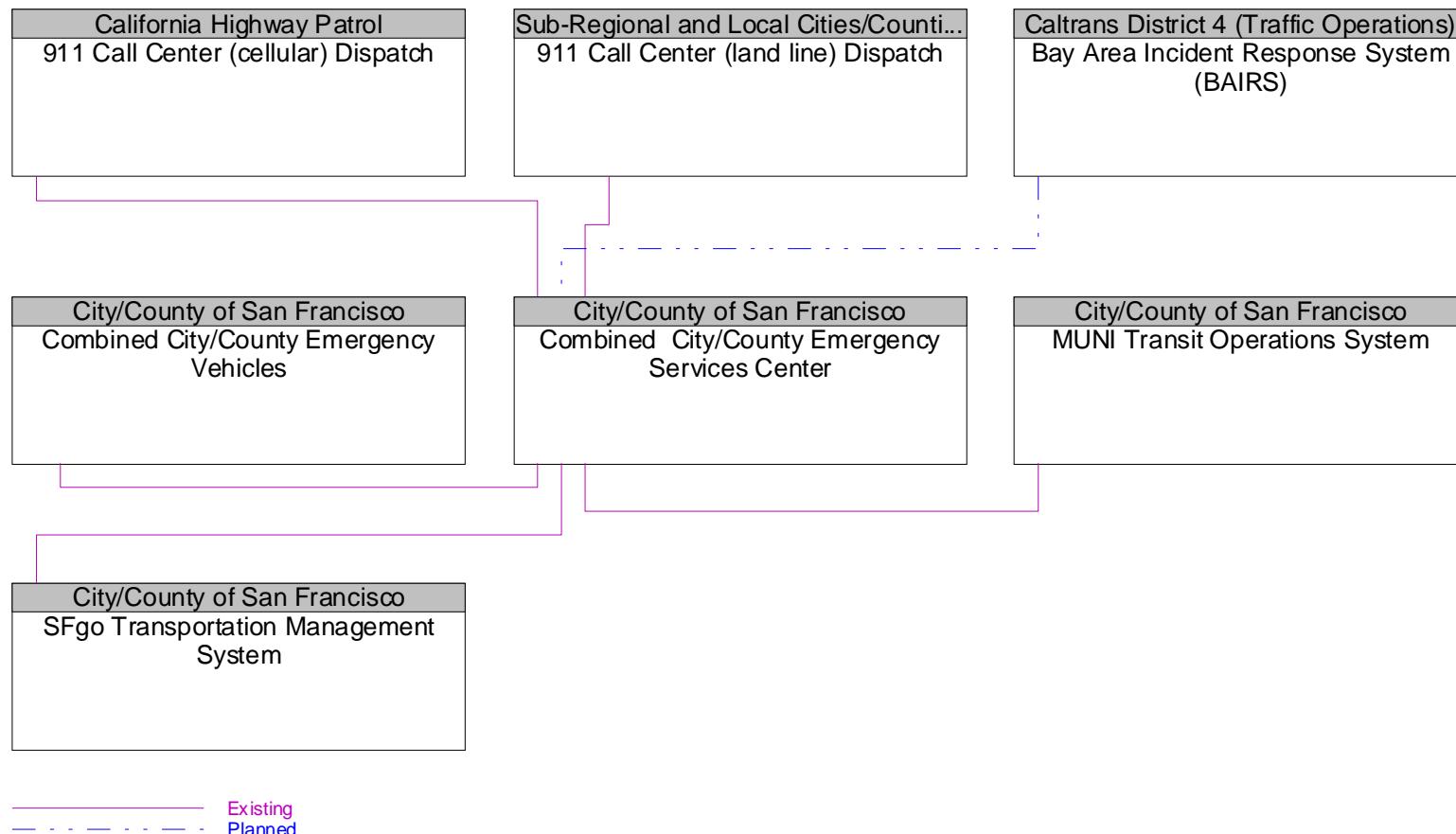
Stakeholder: **City of San Jose**
 Architecture Element: **Silicon Valley SMART Corridor ATMS**
Interconnect Diagram



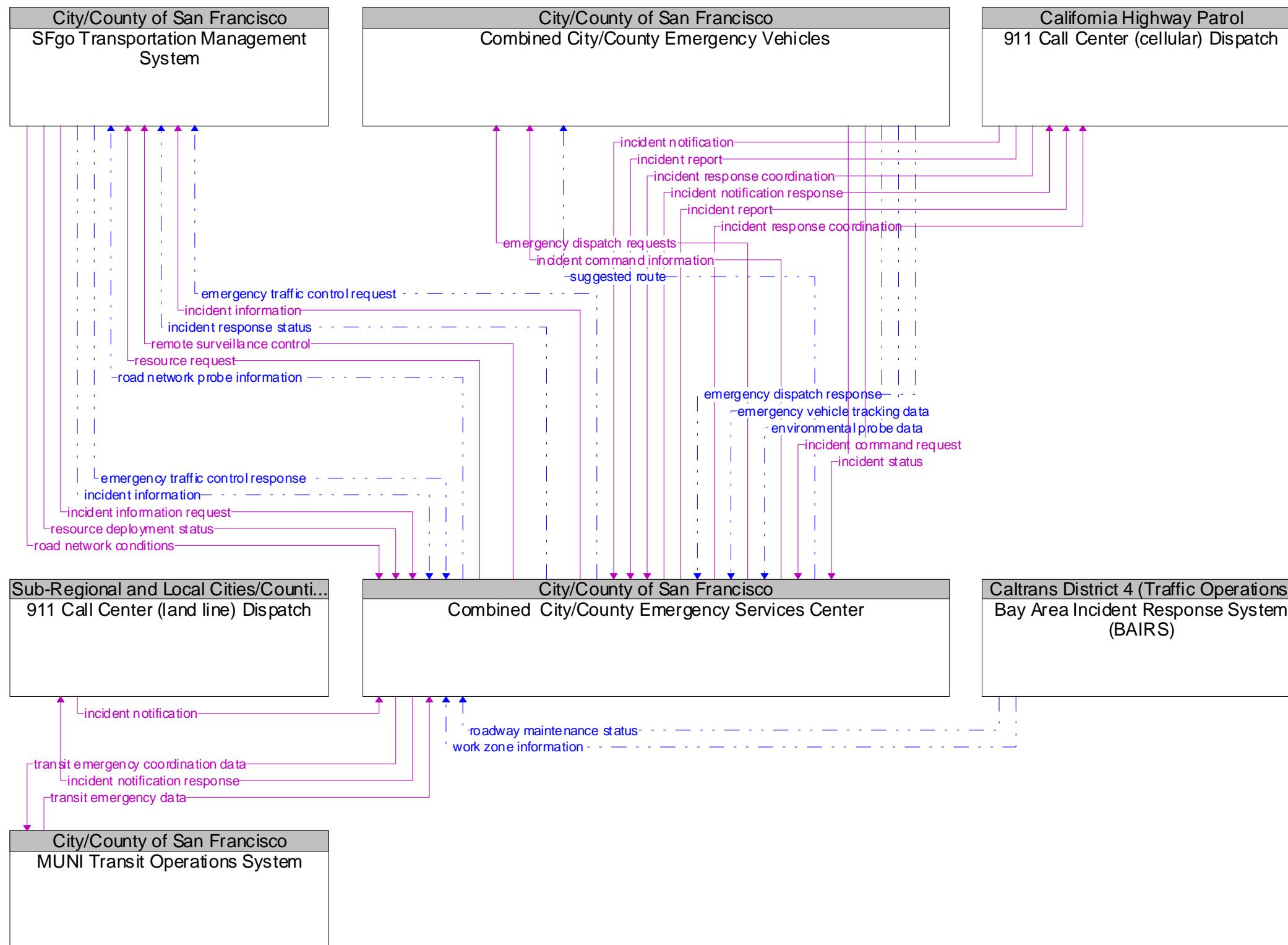
Stakeholder: **City of San Jose**
 Architecture Element: **Silicon Valley SMART Corridor ATMS**
Information Flows Diagram



Stakeholder: **City/County of San Francisco**
Architecture Element: **Combined City/County Emergency Services Center**
Interconnect Diagram

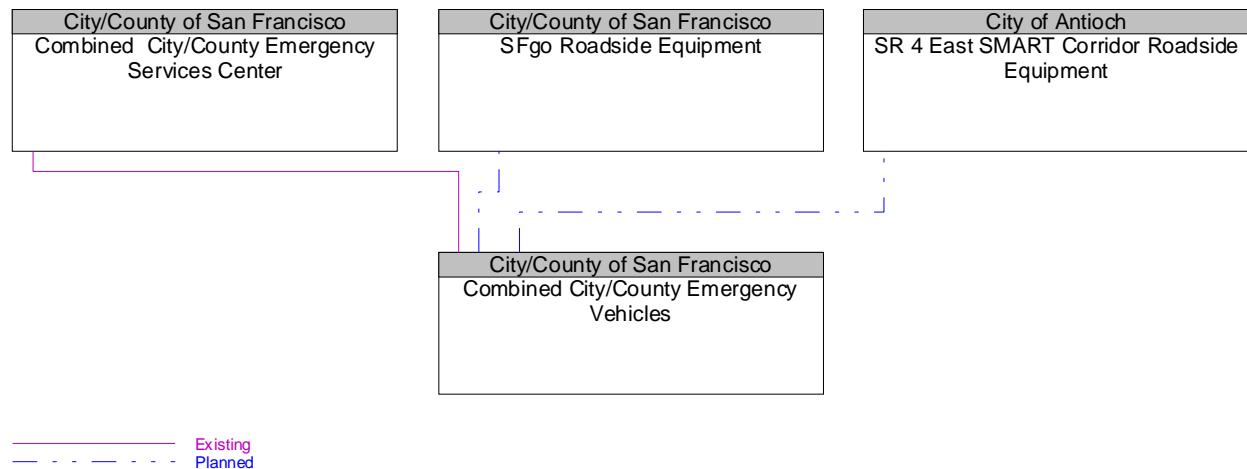


Stakeholder: City/County of San Francisco
 Architecture Element: Combined City/County Emergency Services Center
Information Flows Diagram

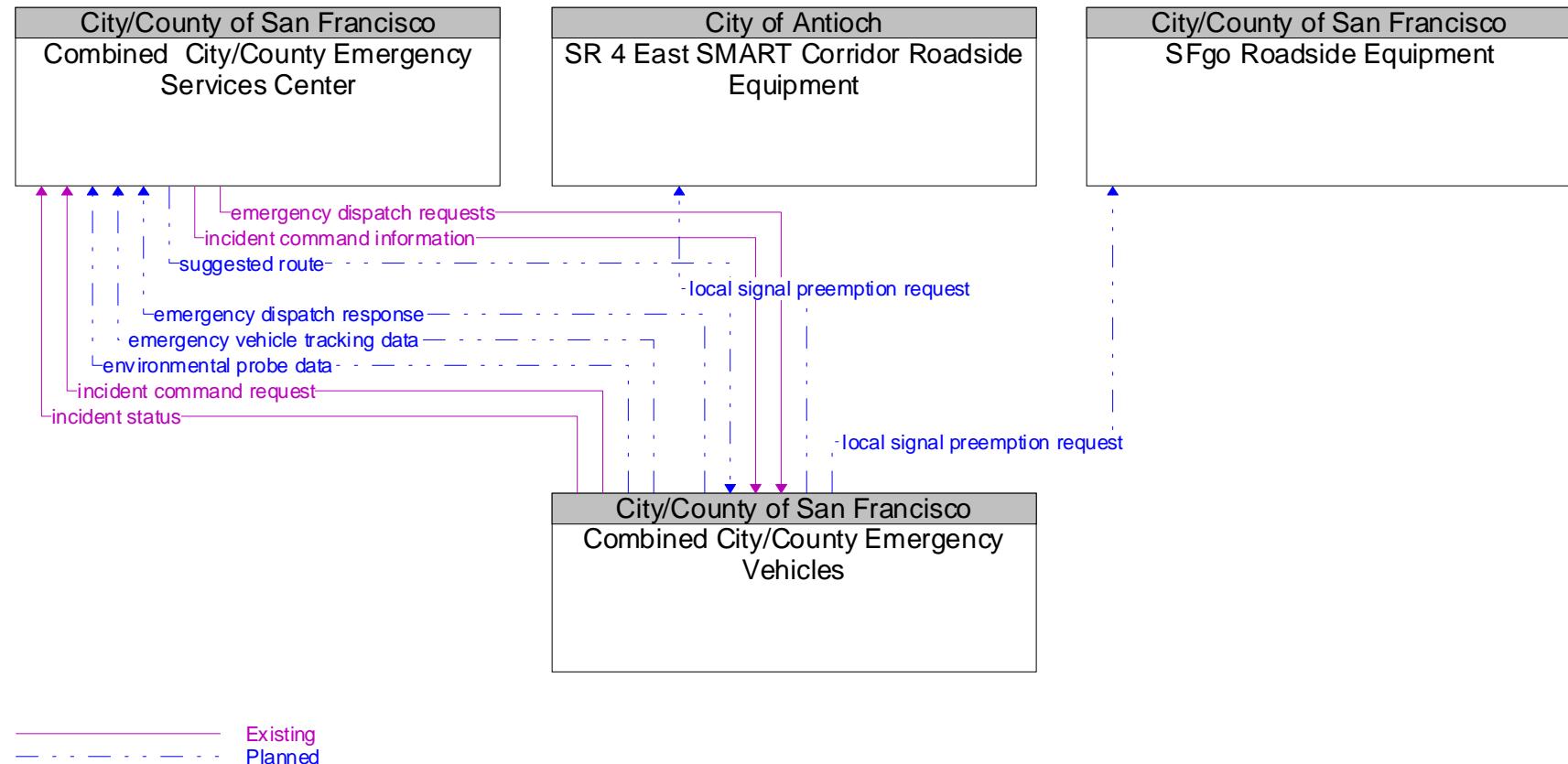


Existing
Planned

Stakeholder: **City/County of San Francisco**
Architecture Element: **Combined City/County Emergency Vehicles**
Interconnect Diagram

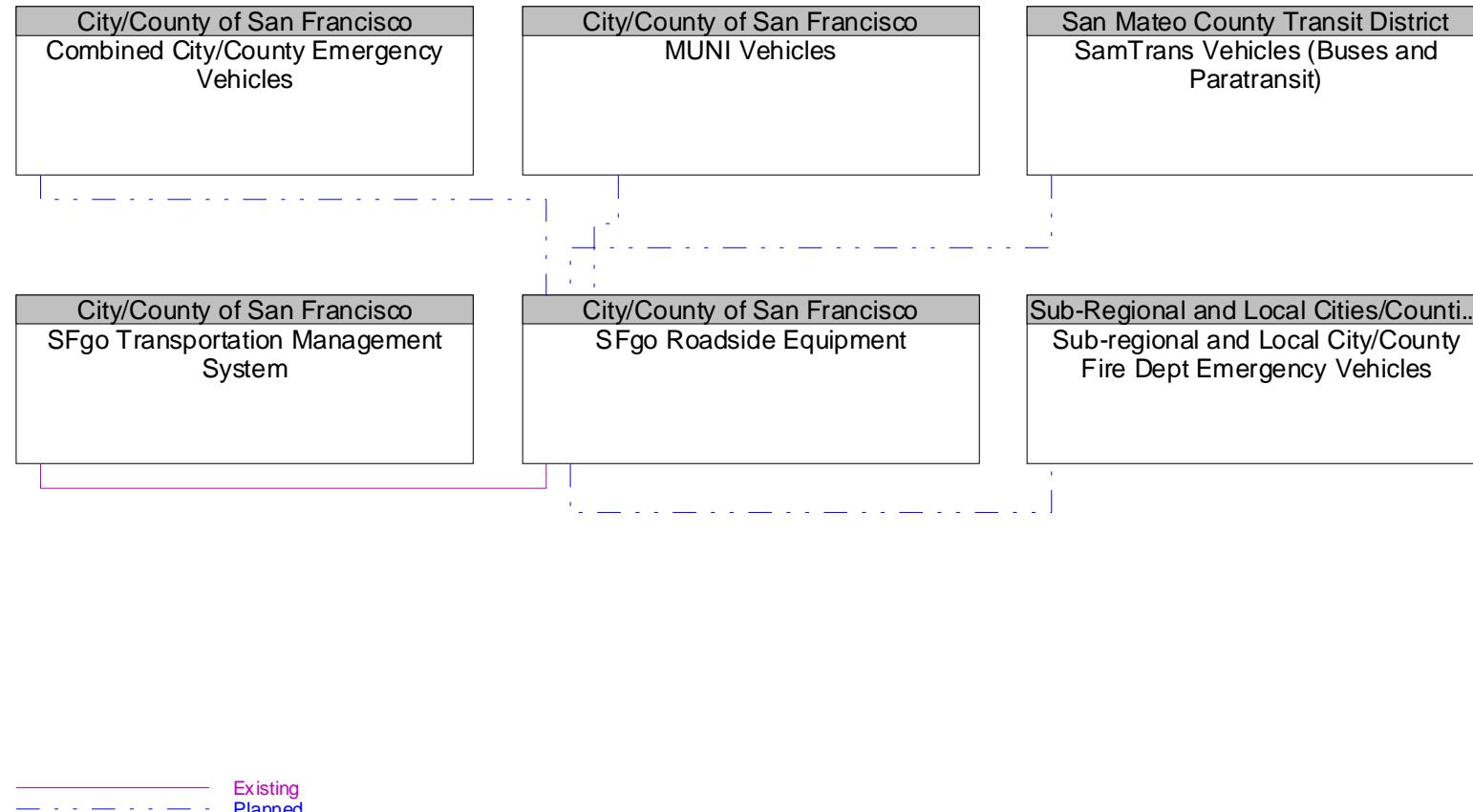


Stakeholder: **City/County of San Francisco**
 Architecture Element: **Combined City/County Emergency Vehicles**
Information Flows Diagram

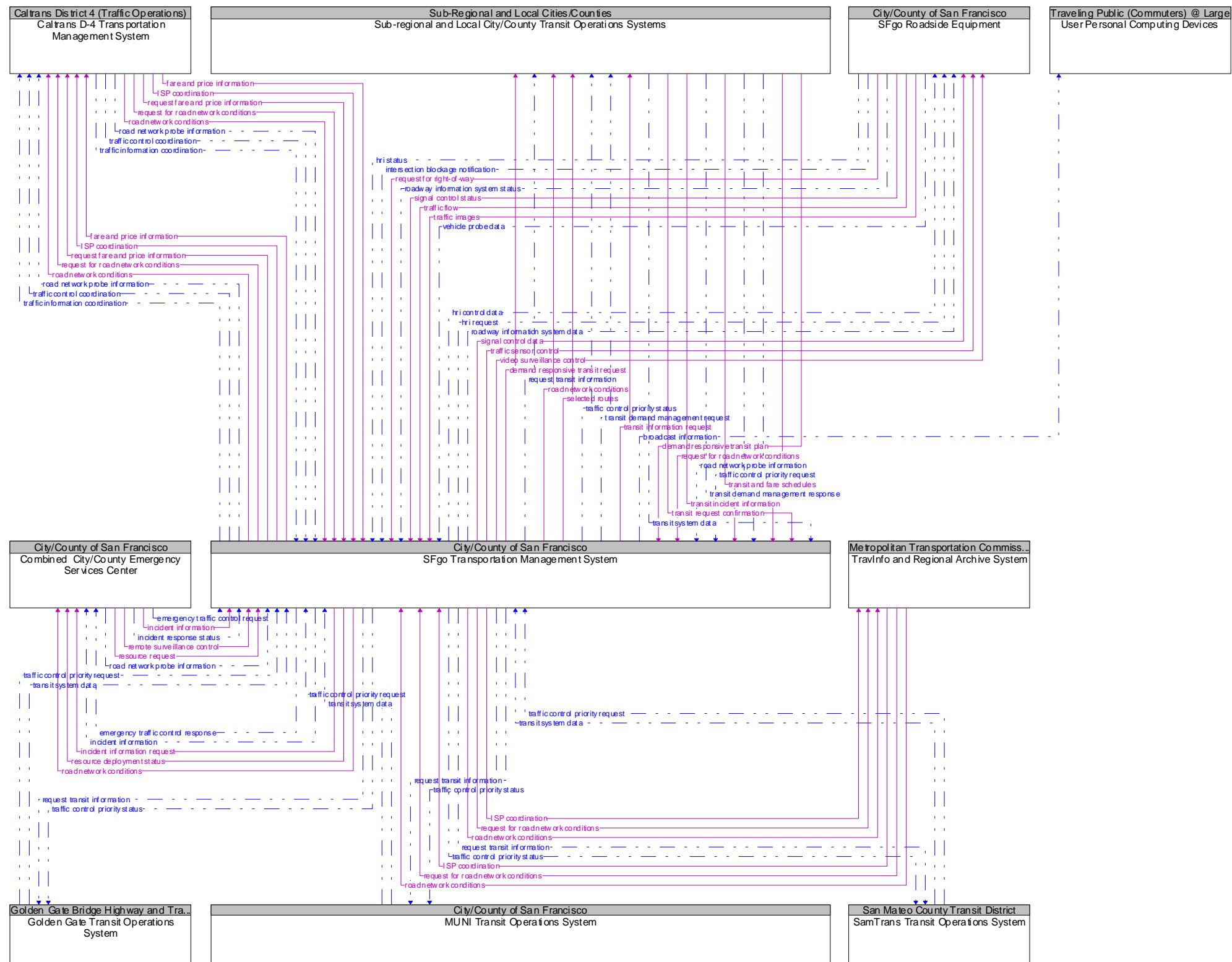


Stakeholder: **City/County of San Francisco**
 Architecture Element: **SFgo Roadside Equipment**

Interconnect Diagram

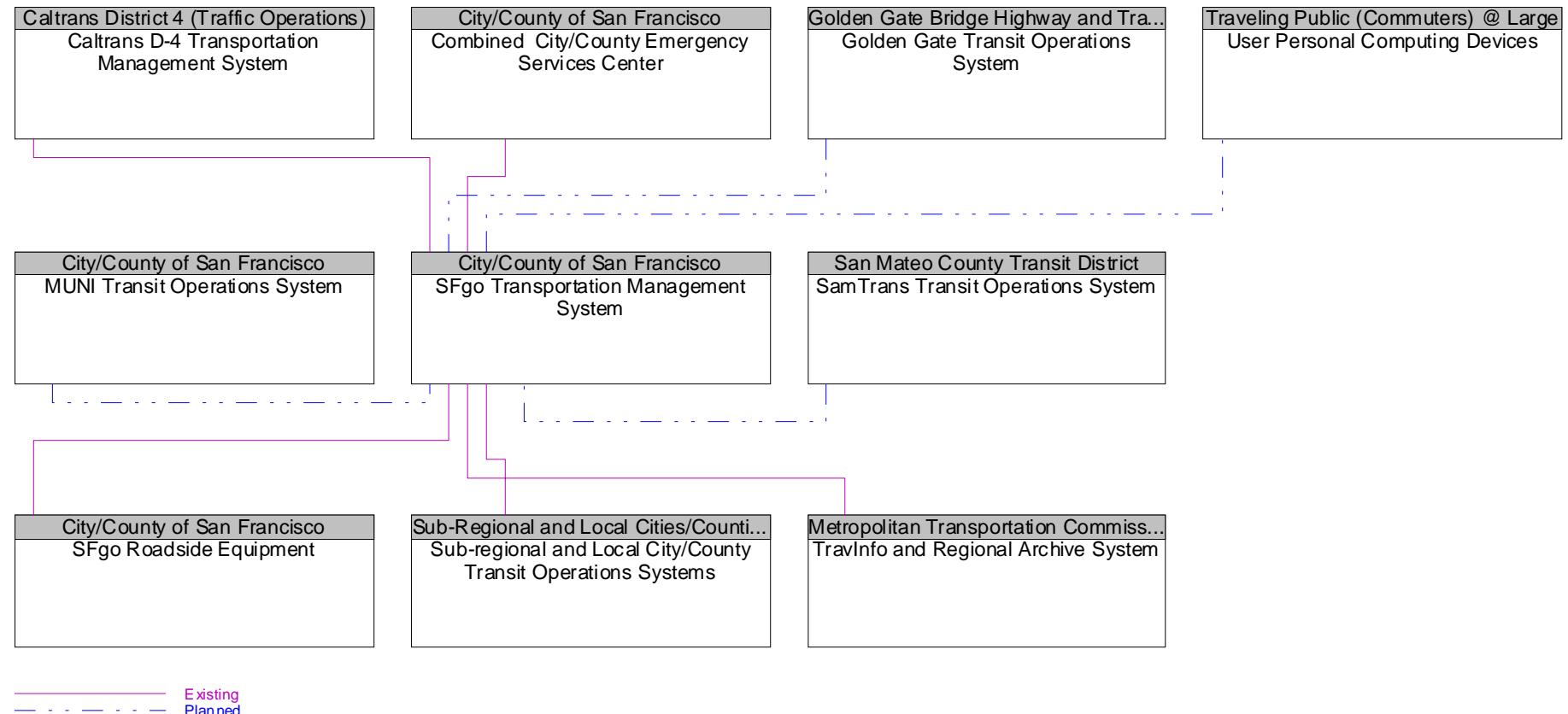


Stakeholder: **City/County of San Francisco**
 Architecture Element: **SFgo Roadside Equipment**
Information Flows Diagram



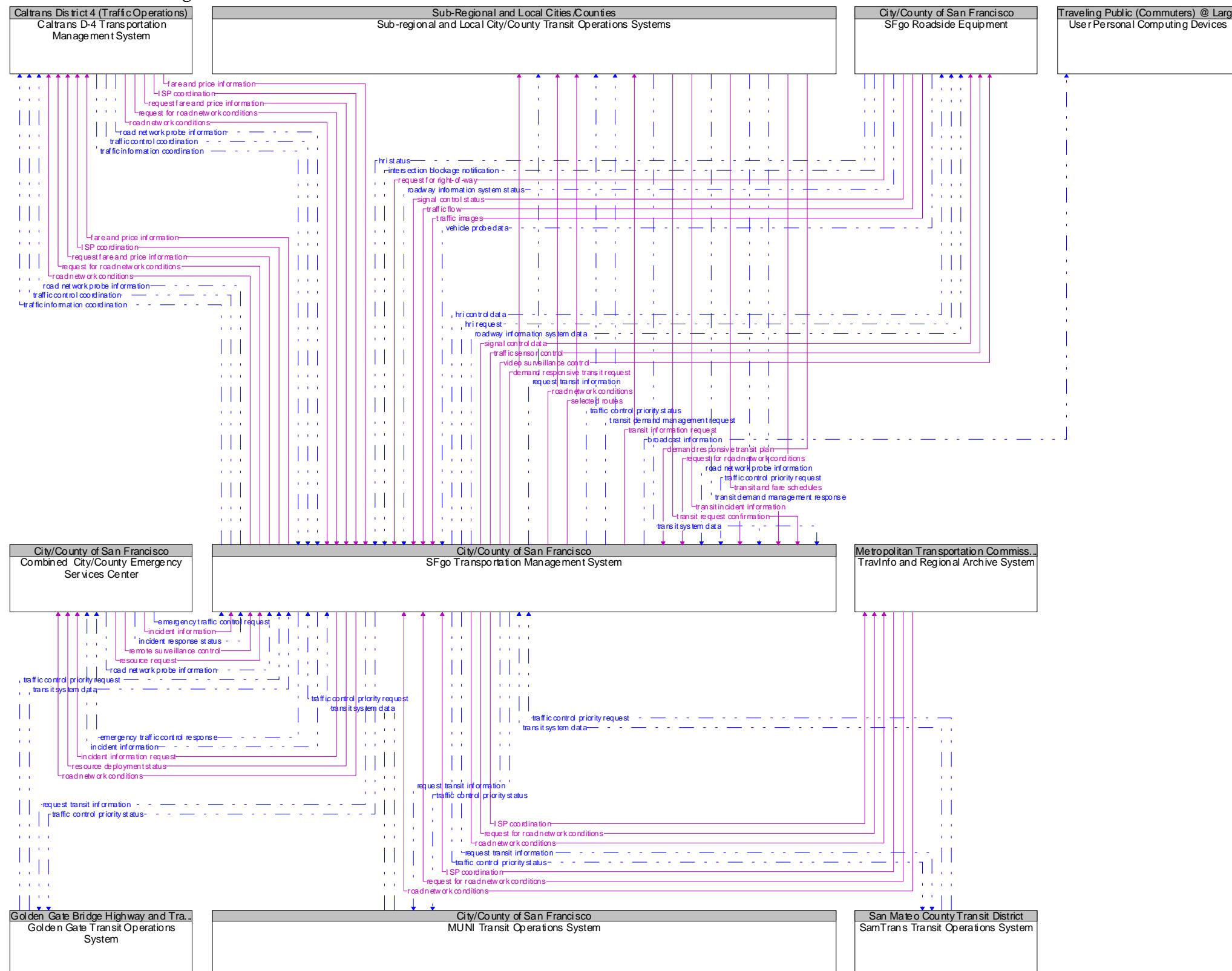
Pink = Existing
Blue = Planned

Stakeholder: **City/County of San Francisco**
 Architecture Element: **SFgo Transportation Management System**
Interconnect Diagram

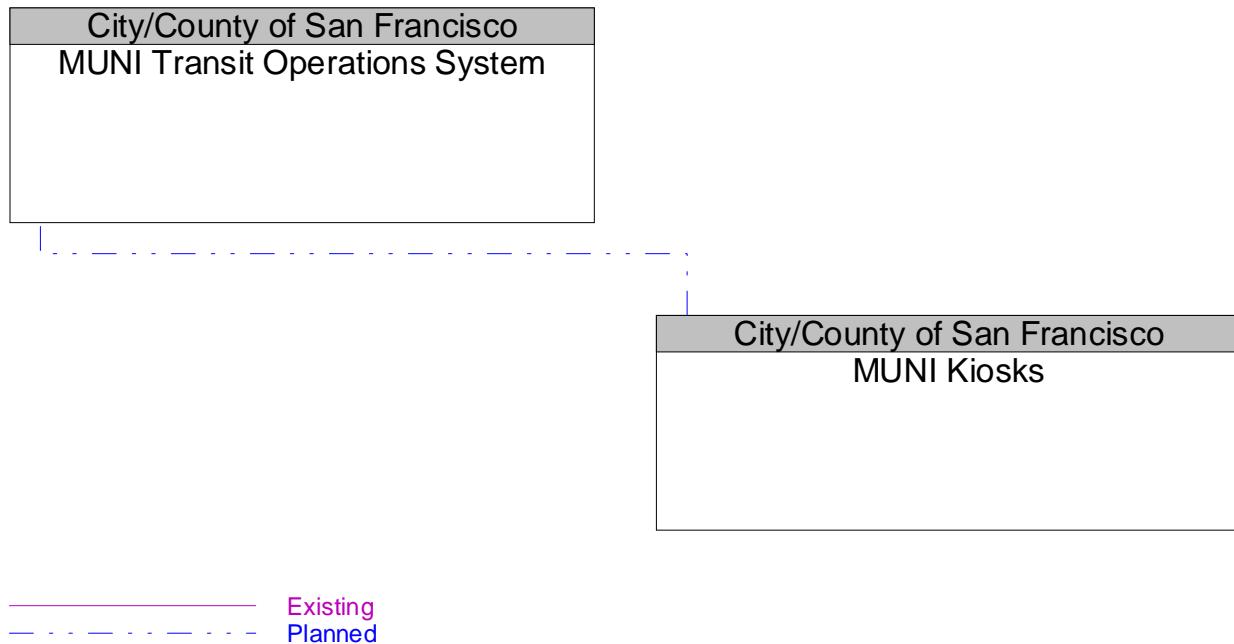


— Existing
- - - - - Planned

Stakeholder: **City/County of San Francisco**
 Architecture Element: **SFgo Transportation Management System**
Information Flows Diagram



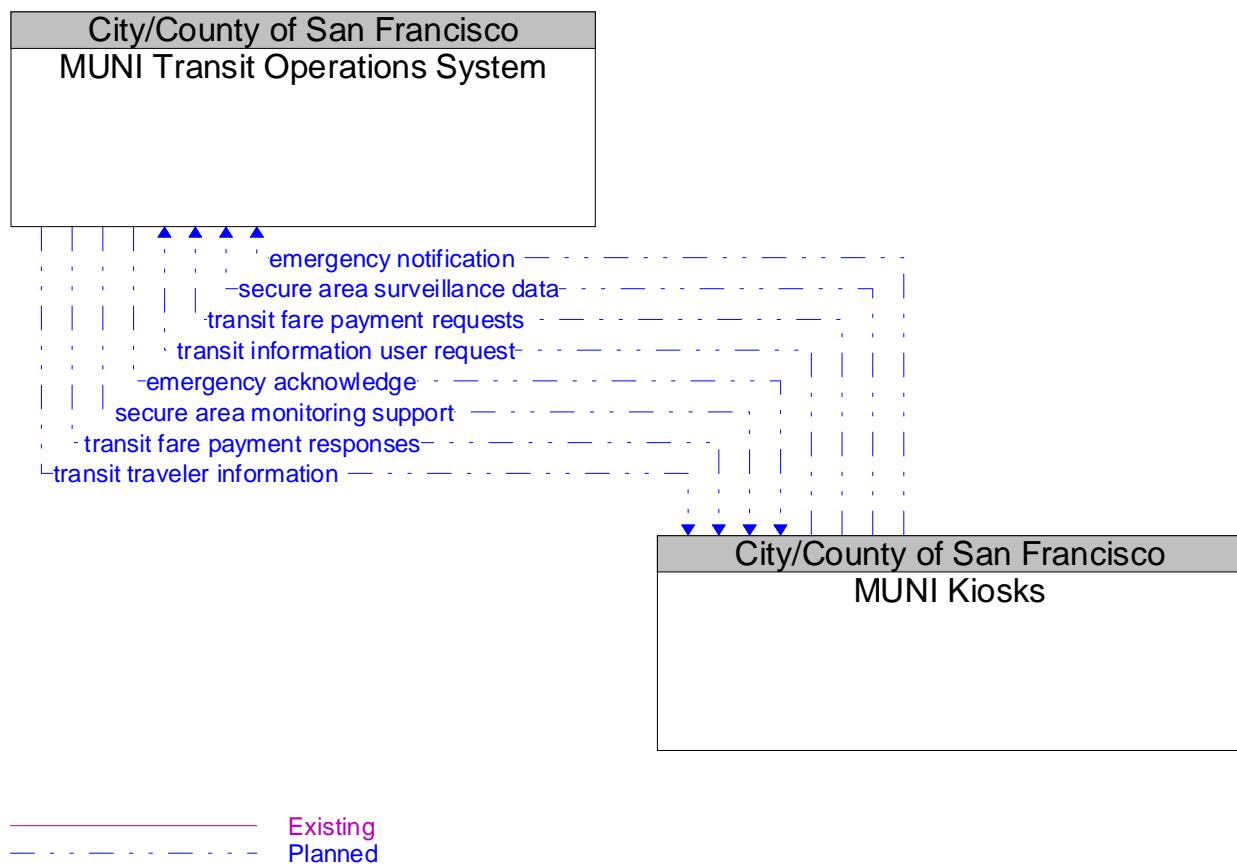
Stakeholder: **City/County of San Francisco**
Architecture Element: **MUNI Kiosks**
Interconnect Diagram



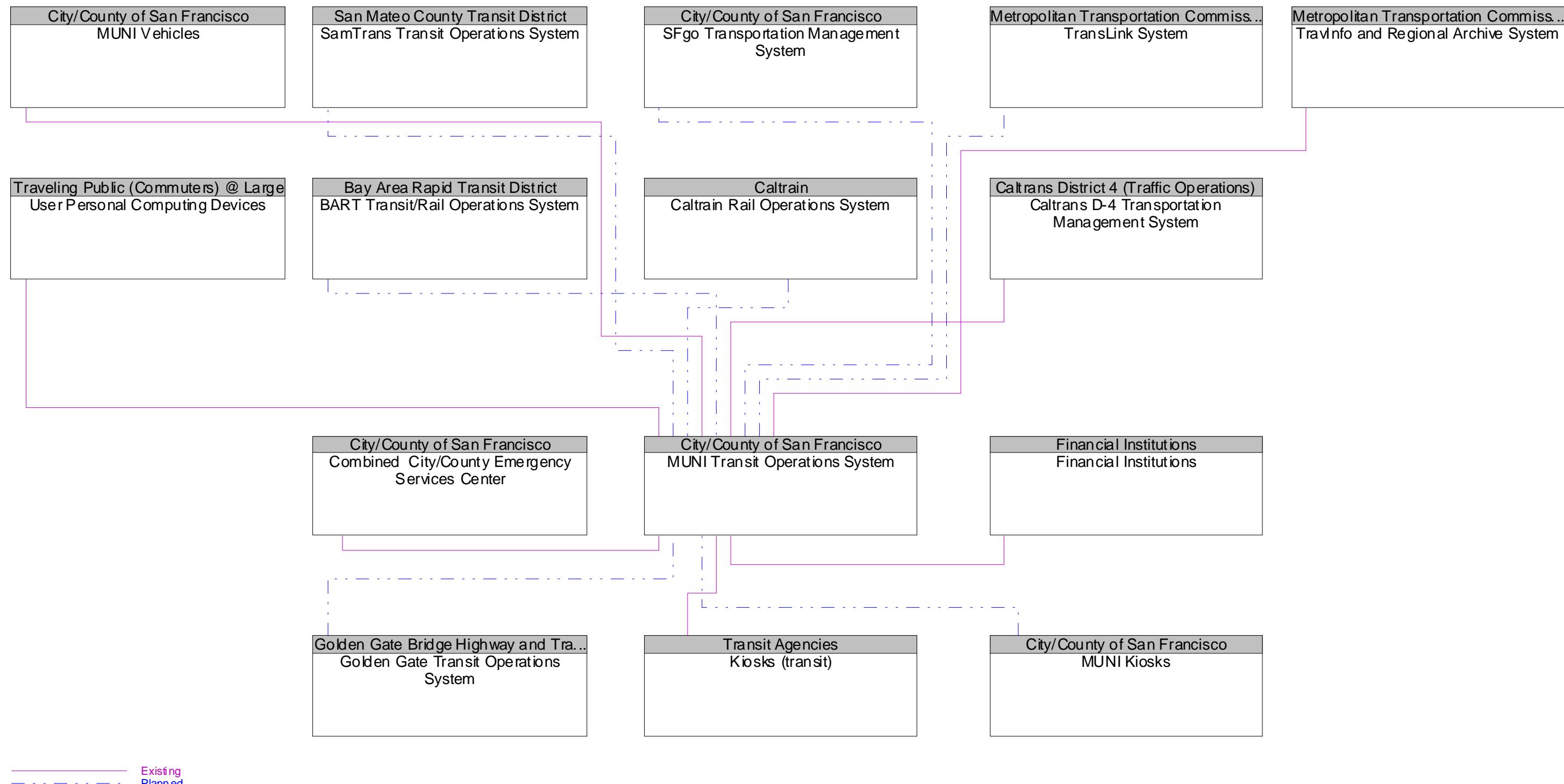
Stakeholder: **City/County of San Francisco**

Architecture Element: **MUNI Kiosks**

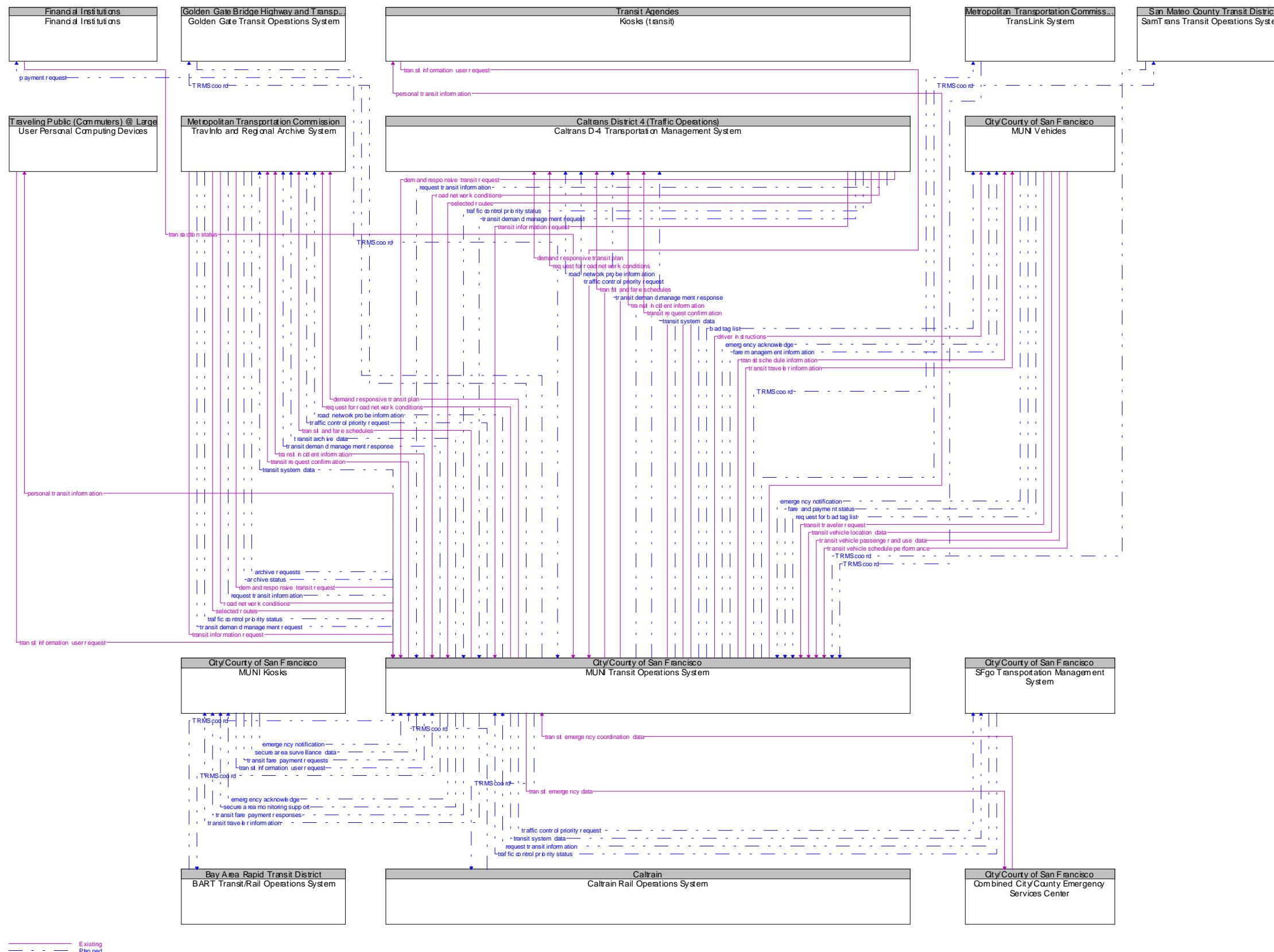
Information Flows Diagram



Stakeholder: **City/County of San Francisco**
 Architecture Element: **MUNI Transit Operations System**
Interconnect Diagram



Stakeholder: **City/County of San Francisco**
 Architecture Element: **MUNI Transit Operations System**
Information Flows Diagram

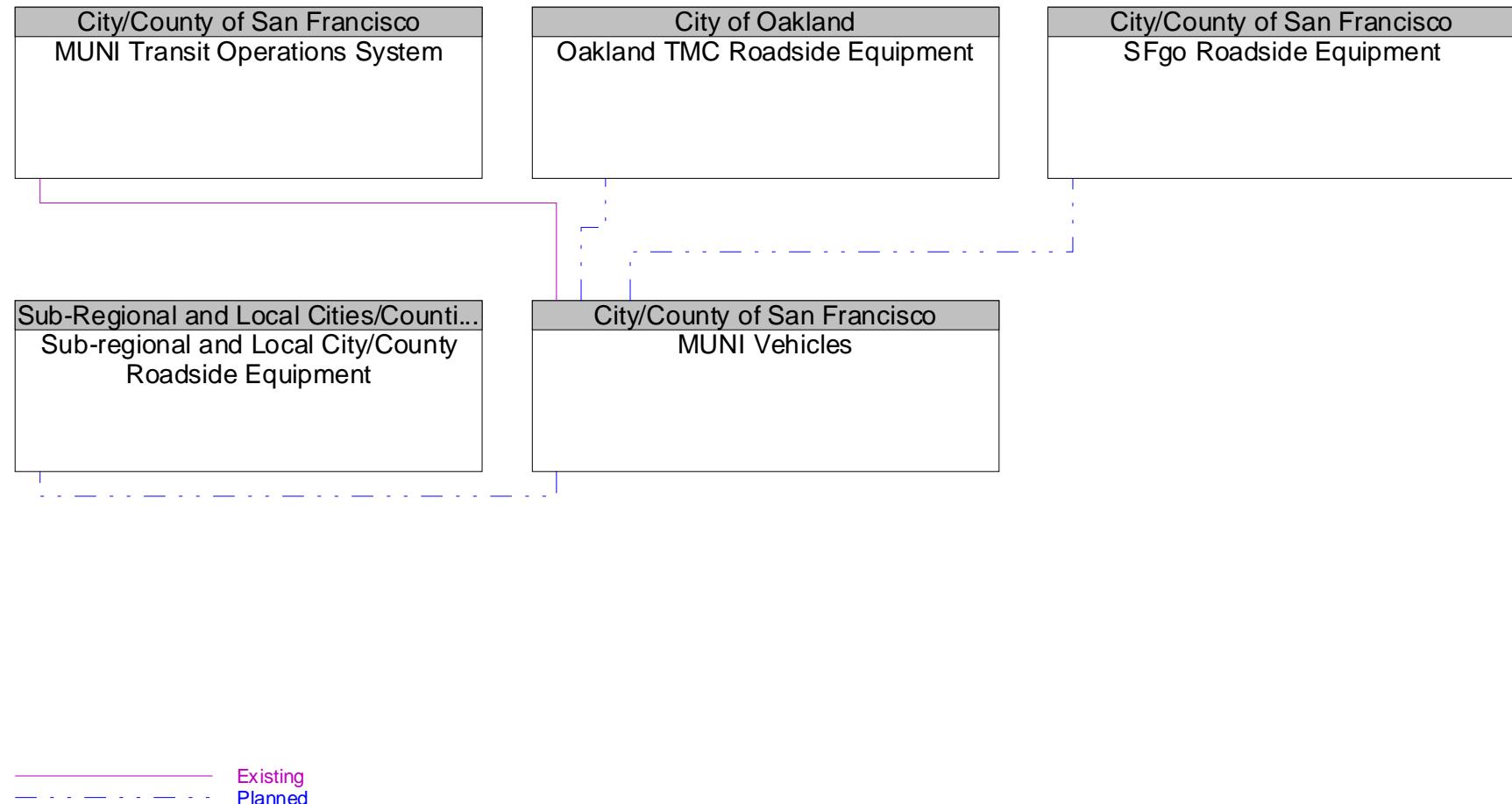


— Existing
— Planned

Stakeholder: **City/County of San Francisco**

Architecture Element: **MUNI Vehicles**

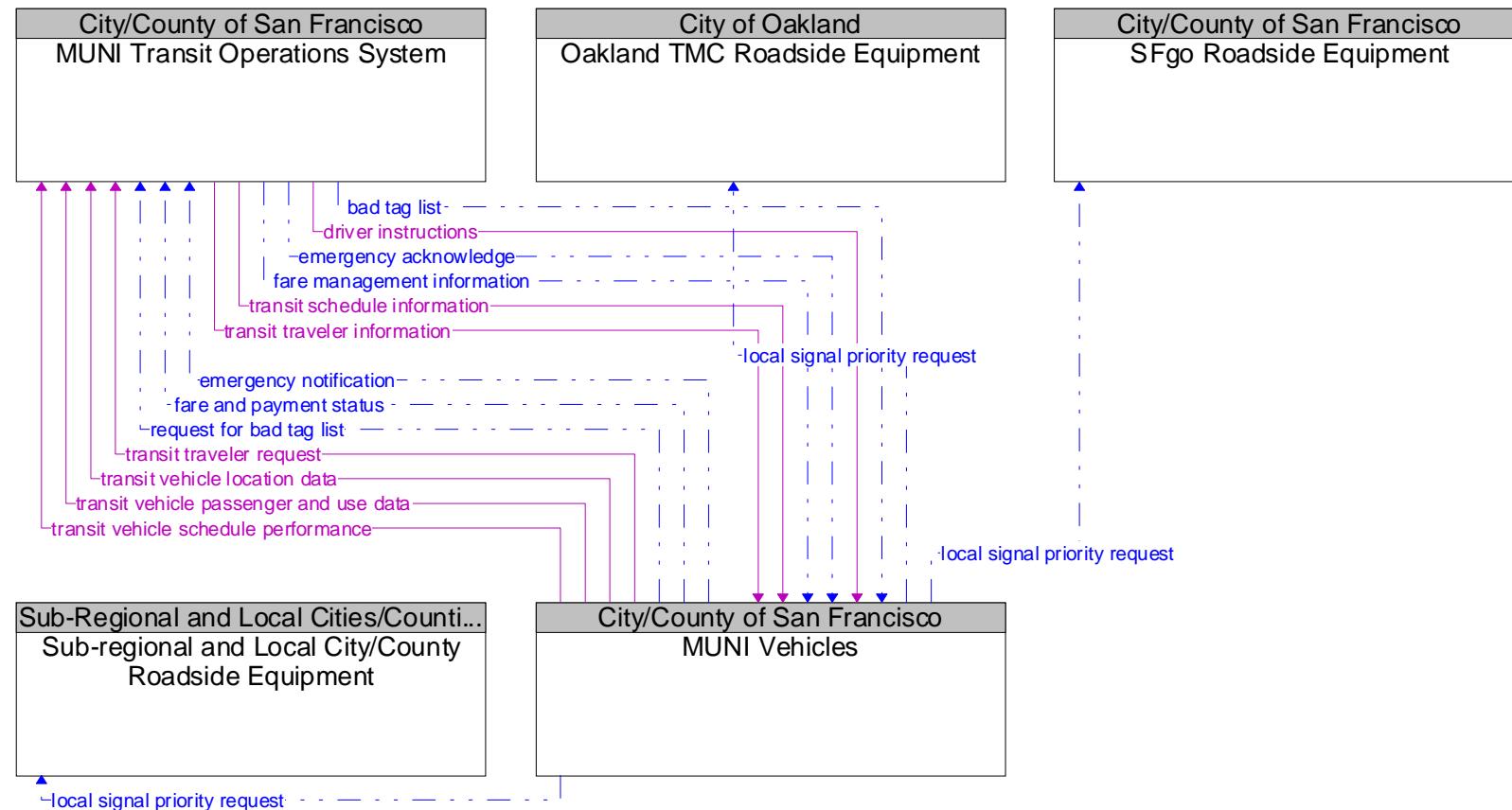
Interconnect Diagram



Stakeholder: **City/County of San Francisco**

Architecture Element: **MUNI Vehicles**

Information Flows Diagram



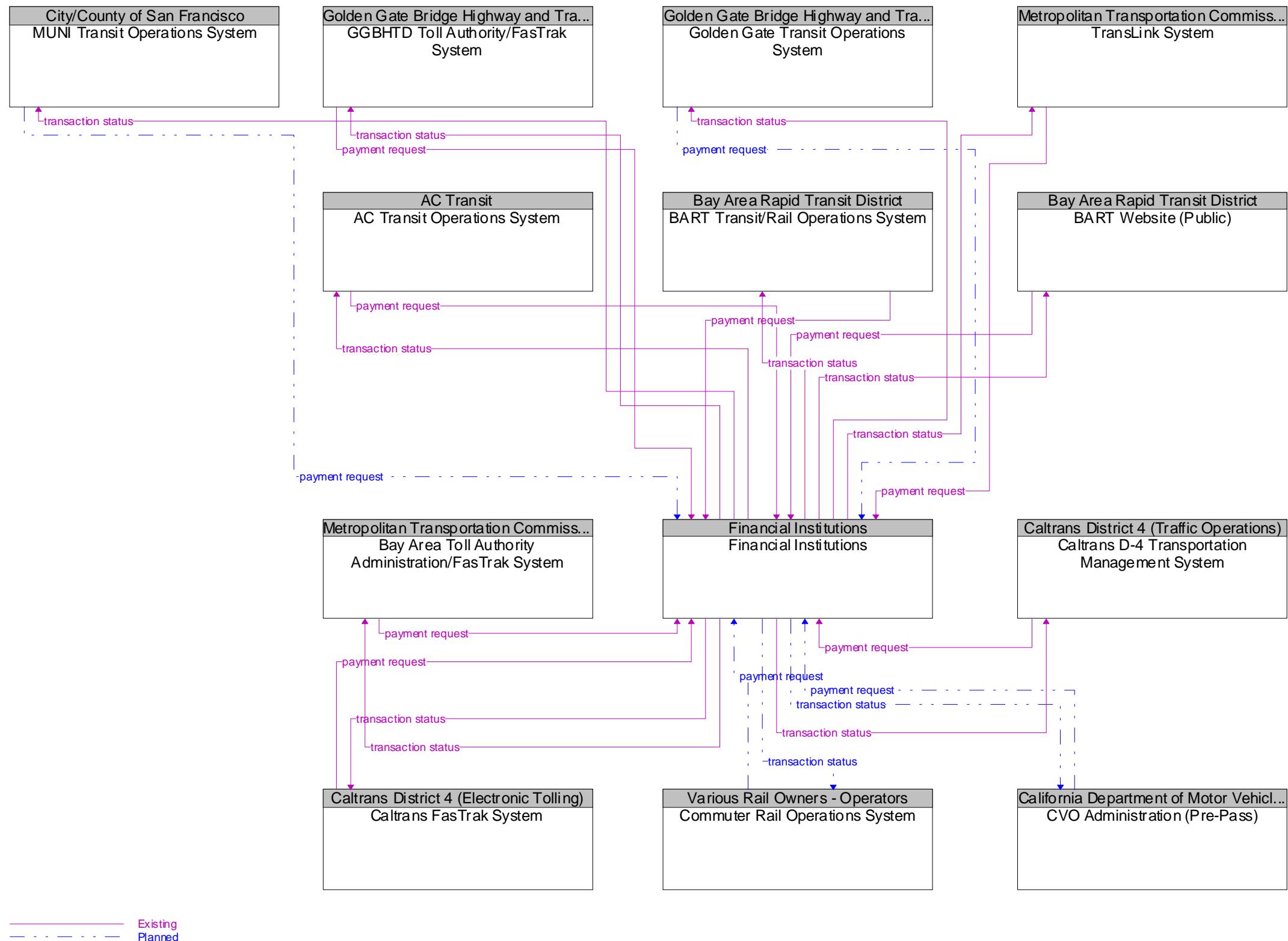
Legend:
— Existing
- - - - - Planned

Stakeholder: **Financial Institutions**
 Architecture Element: **Financial Institutions**
Interconnect Diagram



Existing
Planned

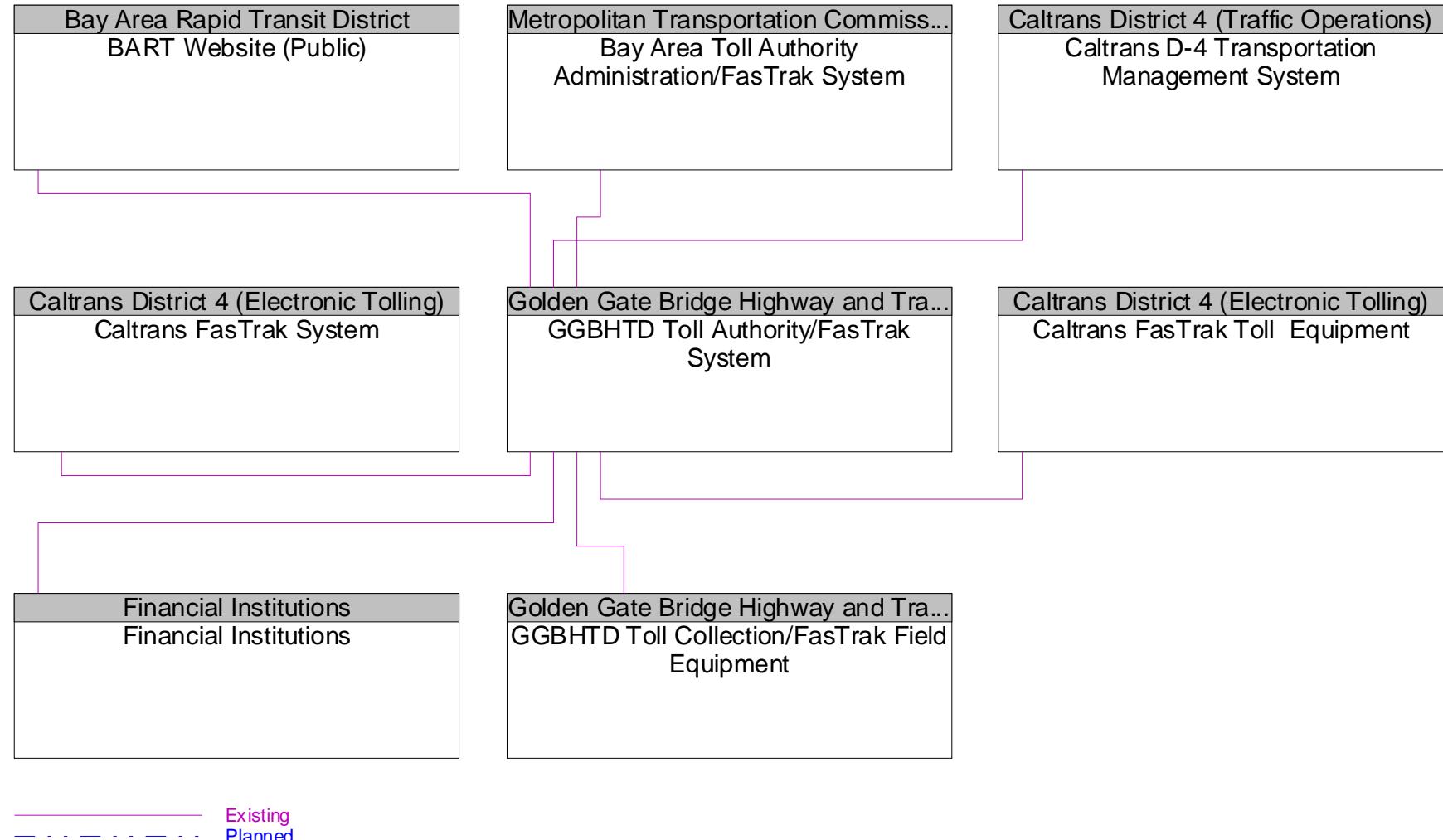
Stakeholder: **Financial Institutions**
 Architecture Element: **Financial Institutions**
Information Flows Diagram



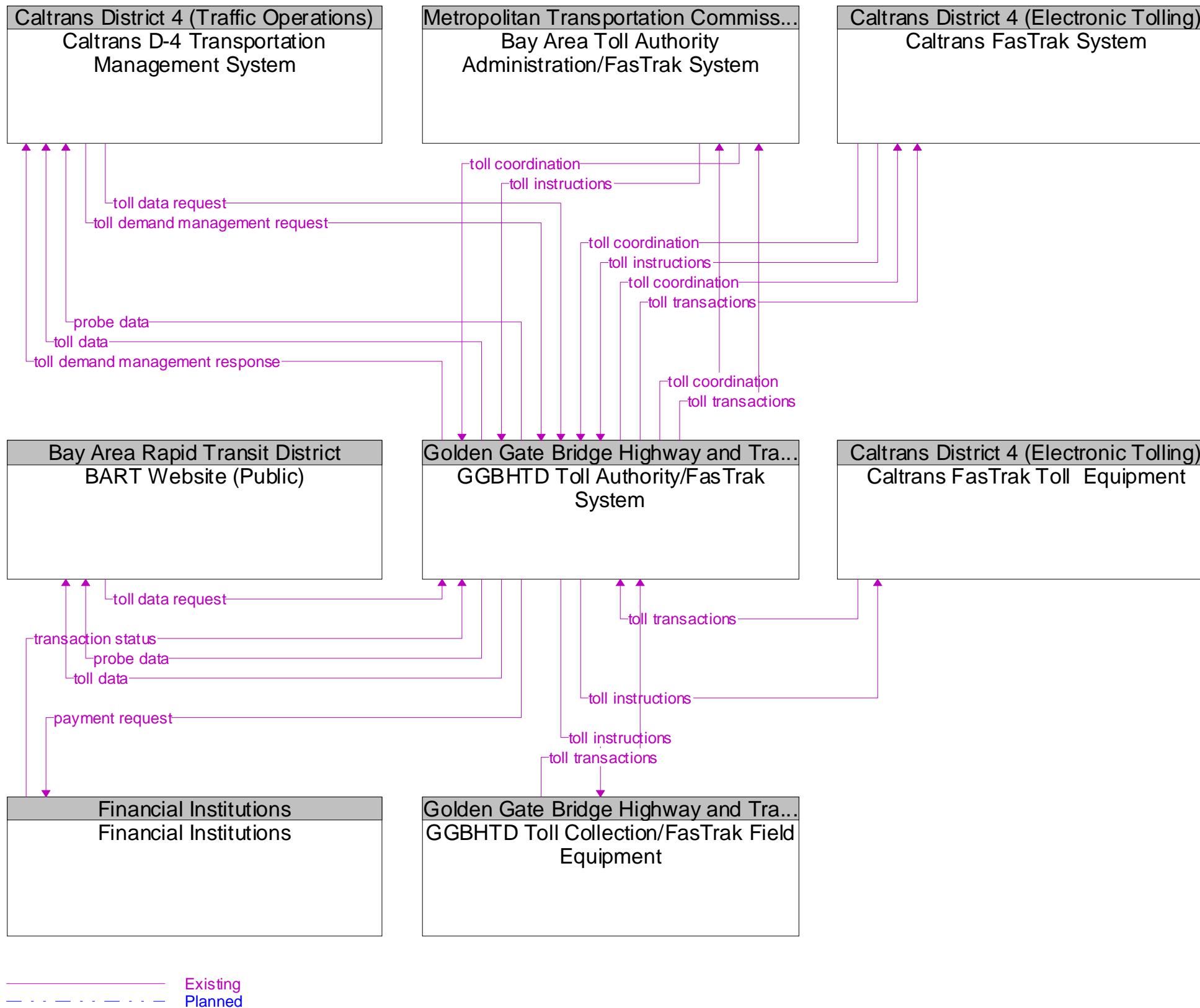
— Existing
 - - - - - Planned

Stakeholder: **Golden Gate Bridge Highway and Transportation District**
Architecture Element: **GGBHTD Toll Authority/FasTrak System**

Interconnect Diagram

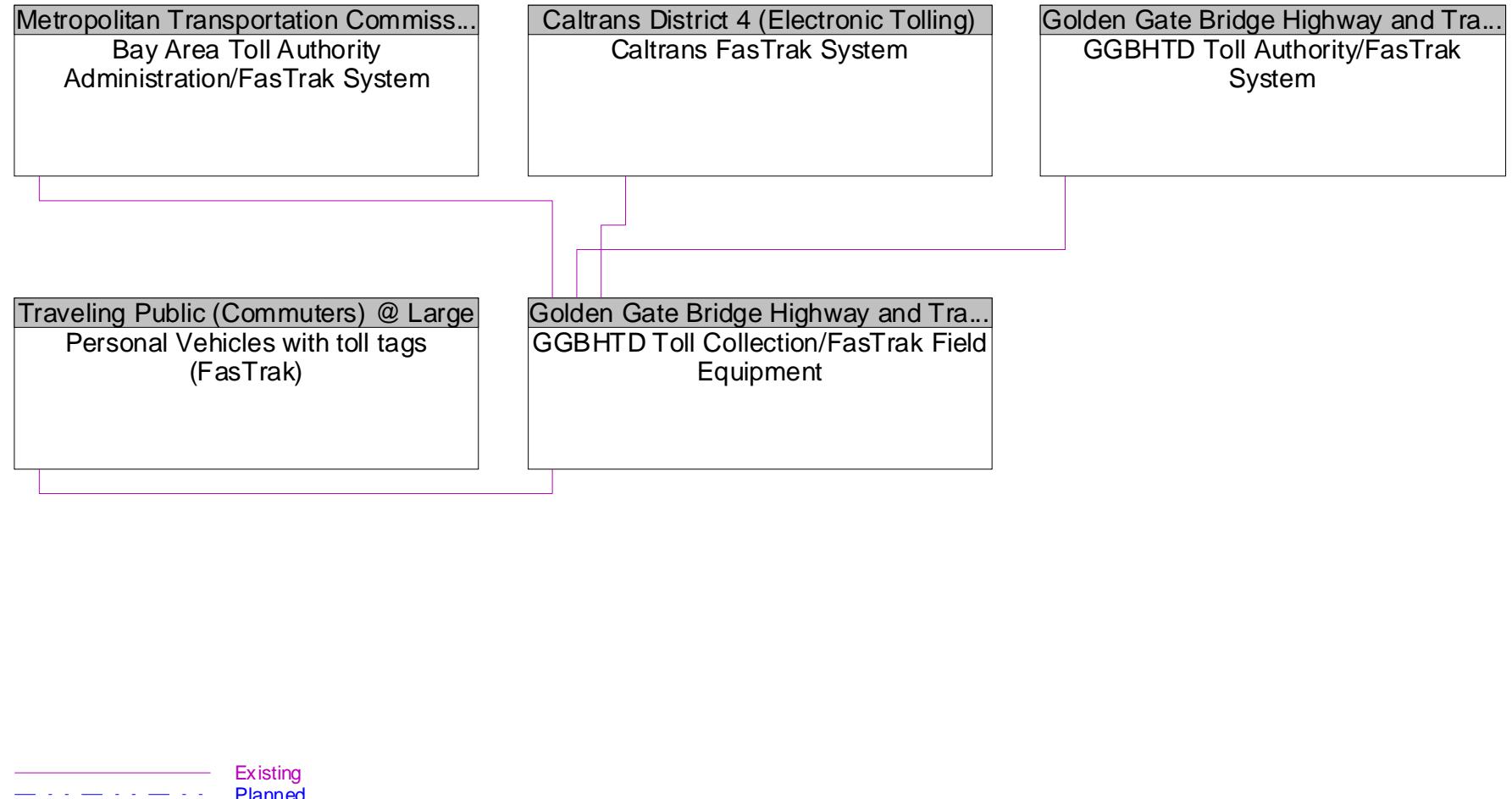


Stakeholder: **Golden Gate Bridge Highway and Transportation District**
 Architecture Element: **GGBHTD Toll Authority/FasTrak System**
Information Flows Diagram



Stakeholder: **Golden Gate Bridge Highway and Transportation District**
Architecture Element: **GGBHTD Toll Collection/FasTrak Field Equipment**

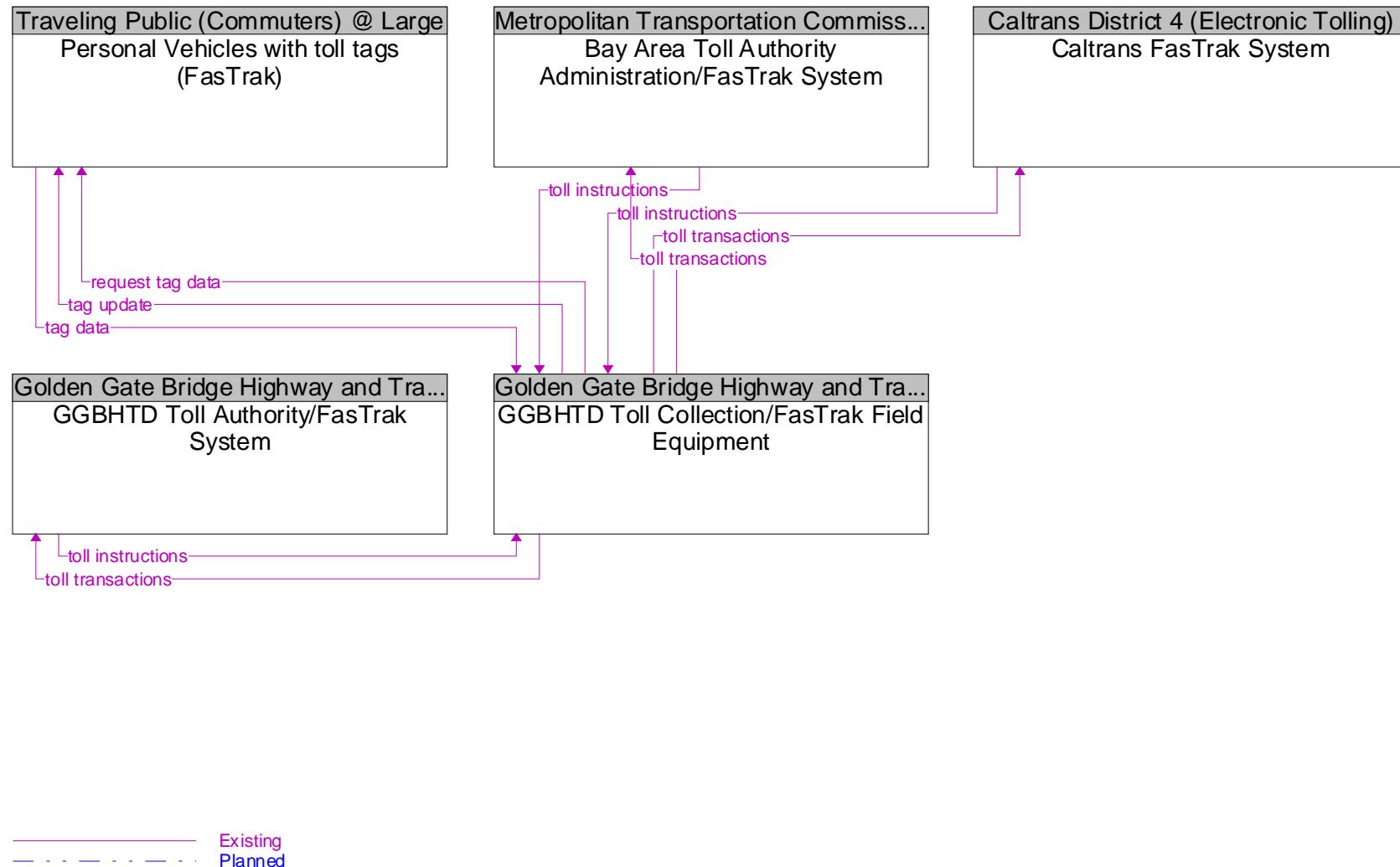
Interconnect Diagram



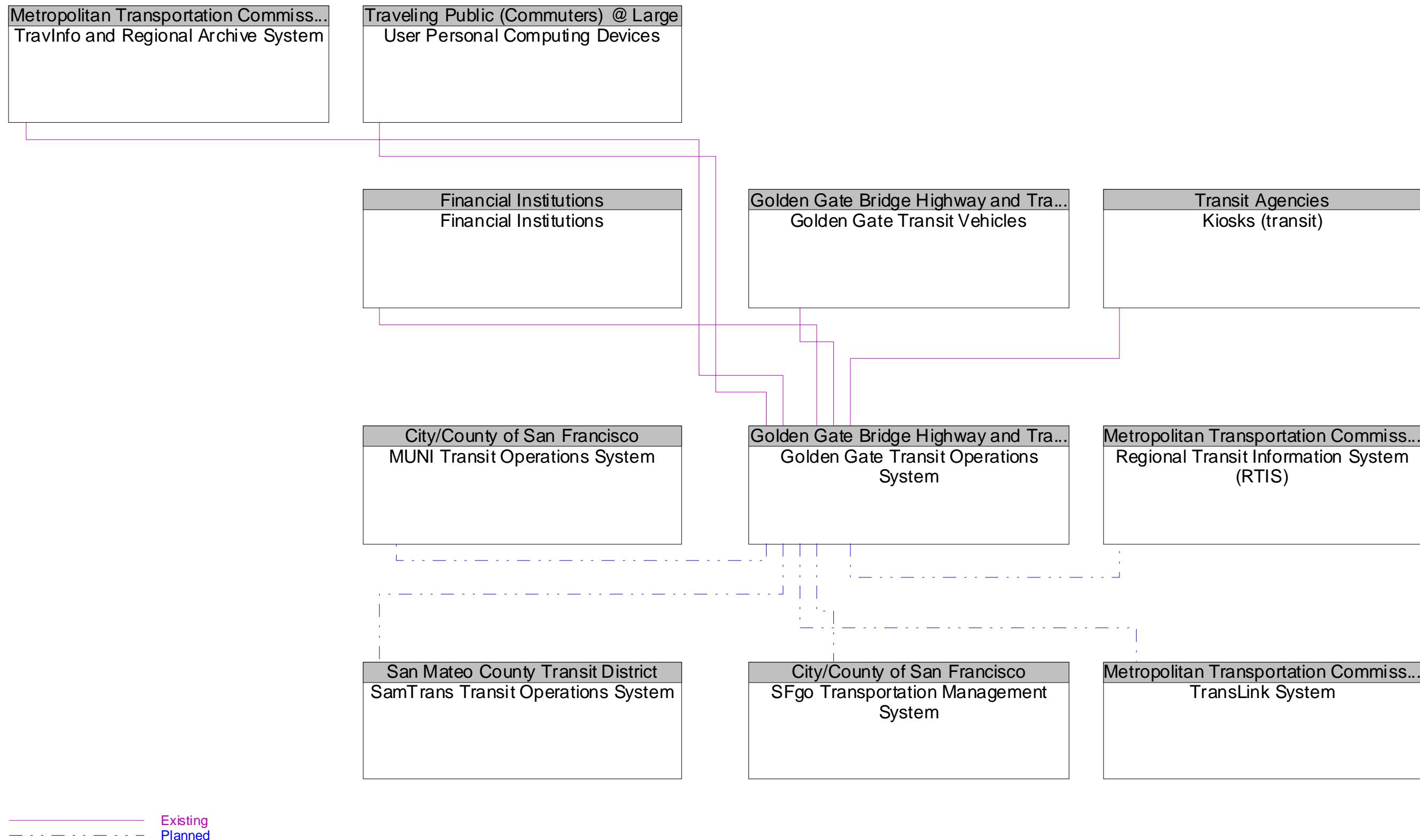
Stakeholder: **Golden Gate Bridge Highway and Transportation District**

Architecture Element: **GGBHTD Toll Collection/FasTrak Field Equipment**

Information Flows Diagram

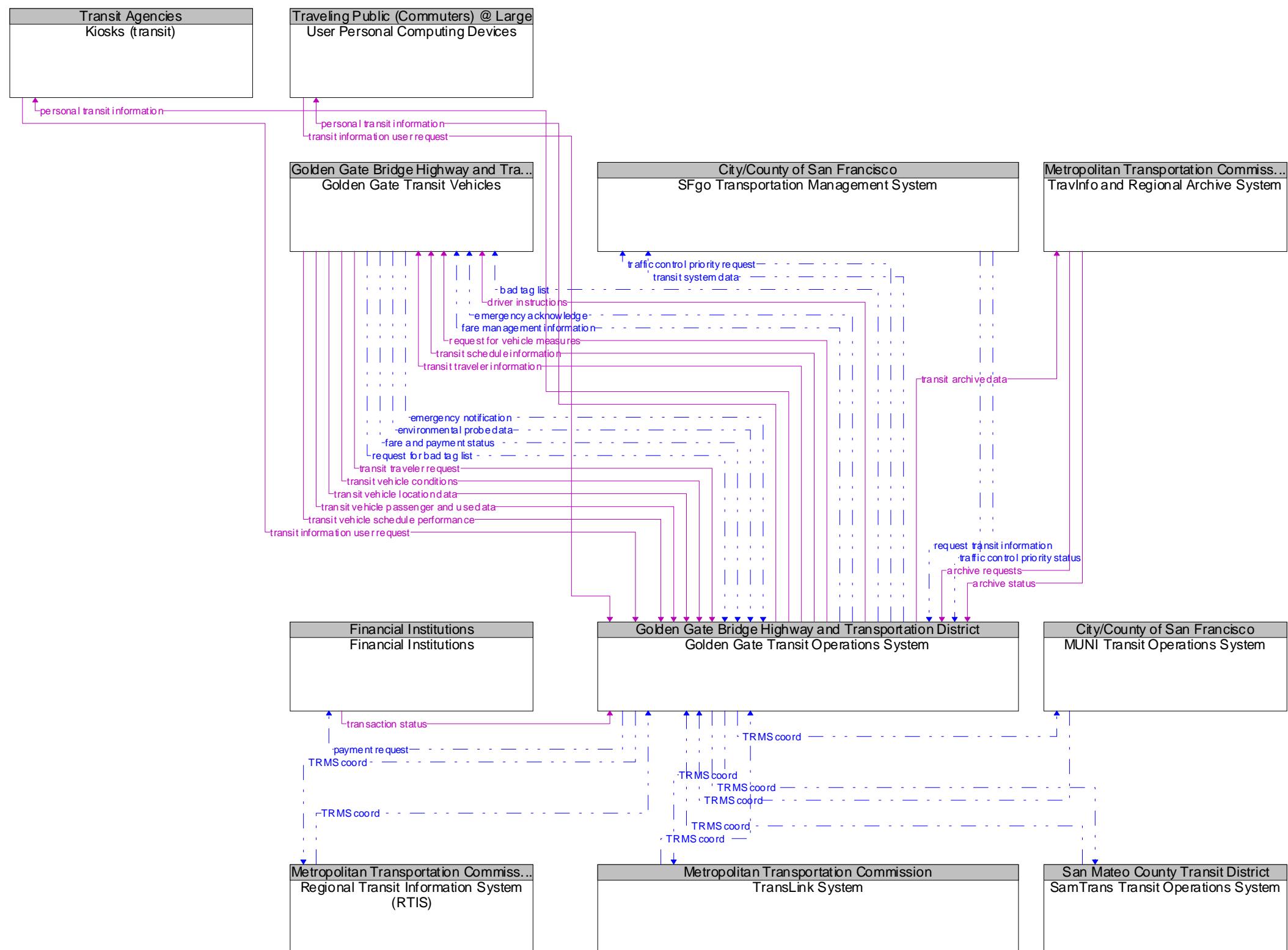


Stakeholder: **Golden Gate Bridge Highway and Transportation District**
 Architecture Element: **Golden Gate Transit Operations System**
Interconnect Diagram



Existing
Planned

Stakeholder: **Golden Gate Bridge Highway and Transportation District**
 Architecture Element: **Golden Gate Transit Operations System**
Information Flows Diagram



Existing
Planned

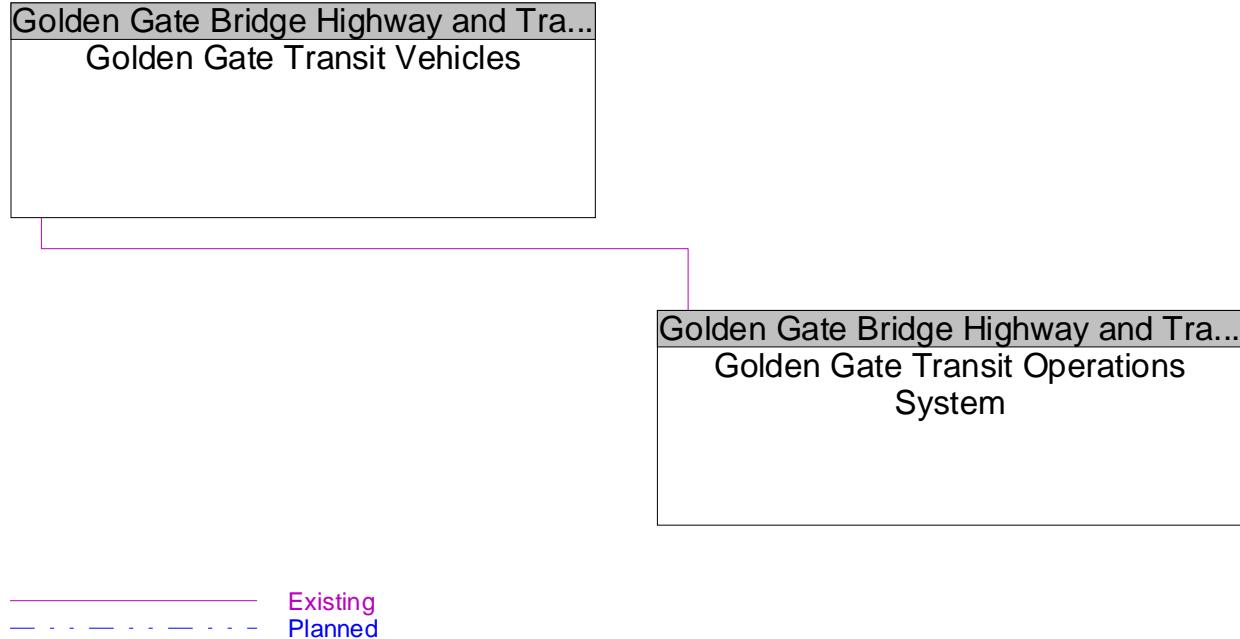
98

Iteris, Inc. – May 2004

Stakeholder: **Golden Gate Bridge Highway and Transportation District**

Architecture Element: **Golden Gate Transit Vehicles**

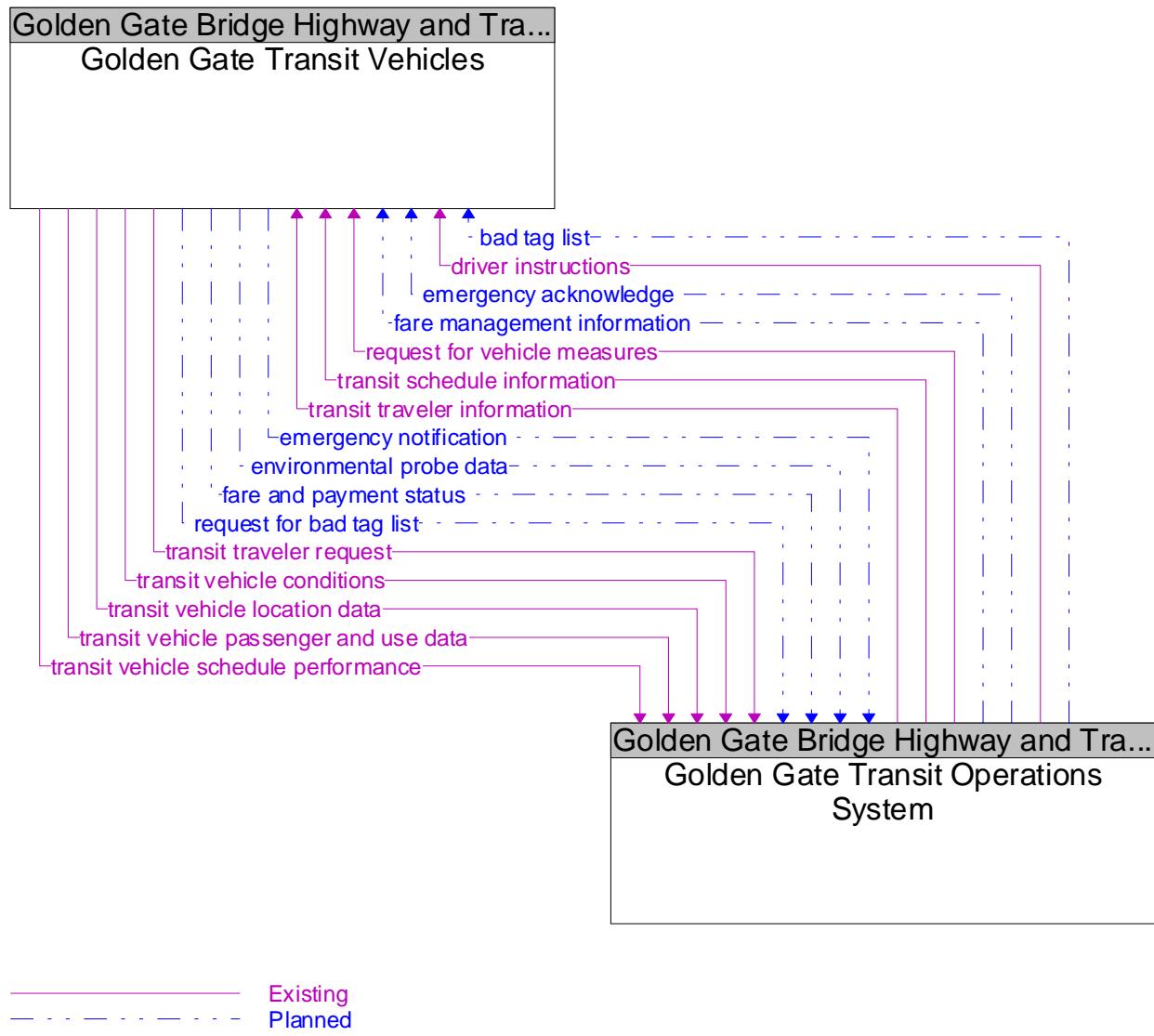
Interconnect Diagram

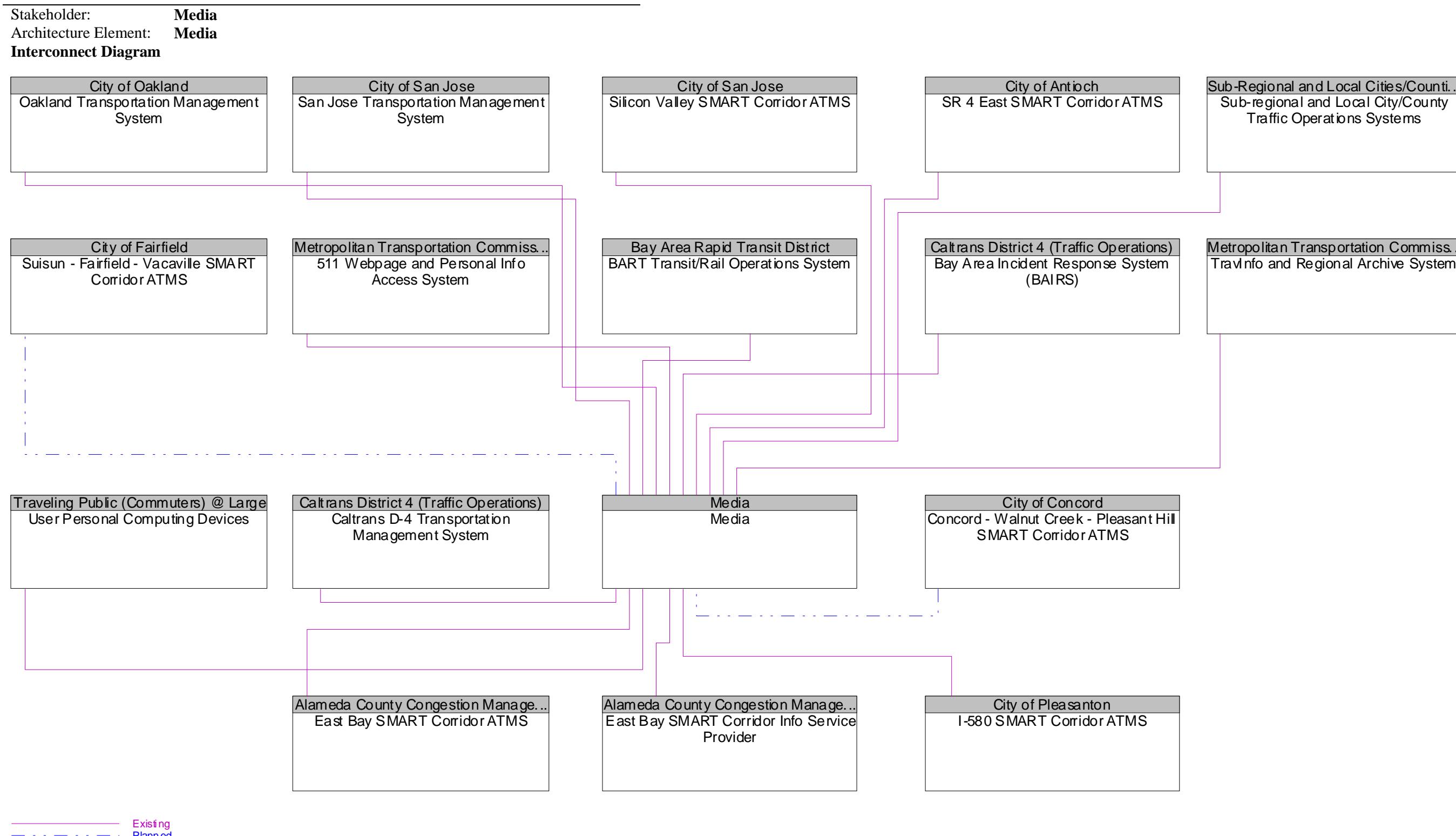


Stakeholder: **Golden Gate Bridge Highway and Transportation District**

Architecture Element: **Golden Gate Transit Vehicles**

Information Flows Diagram

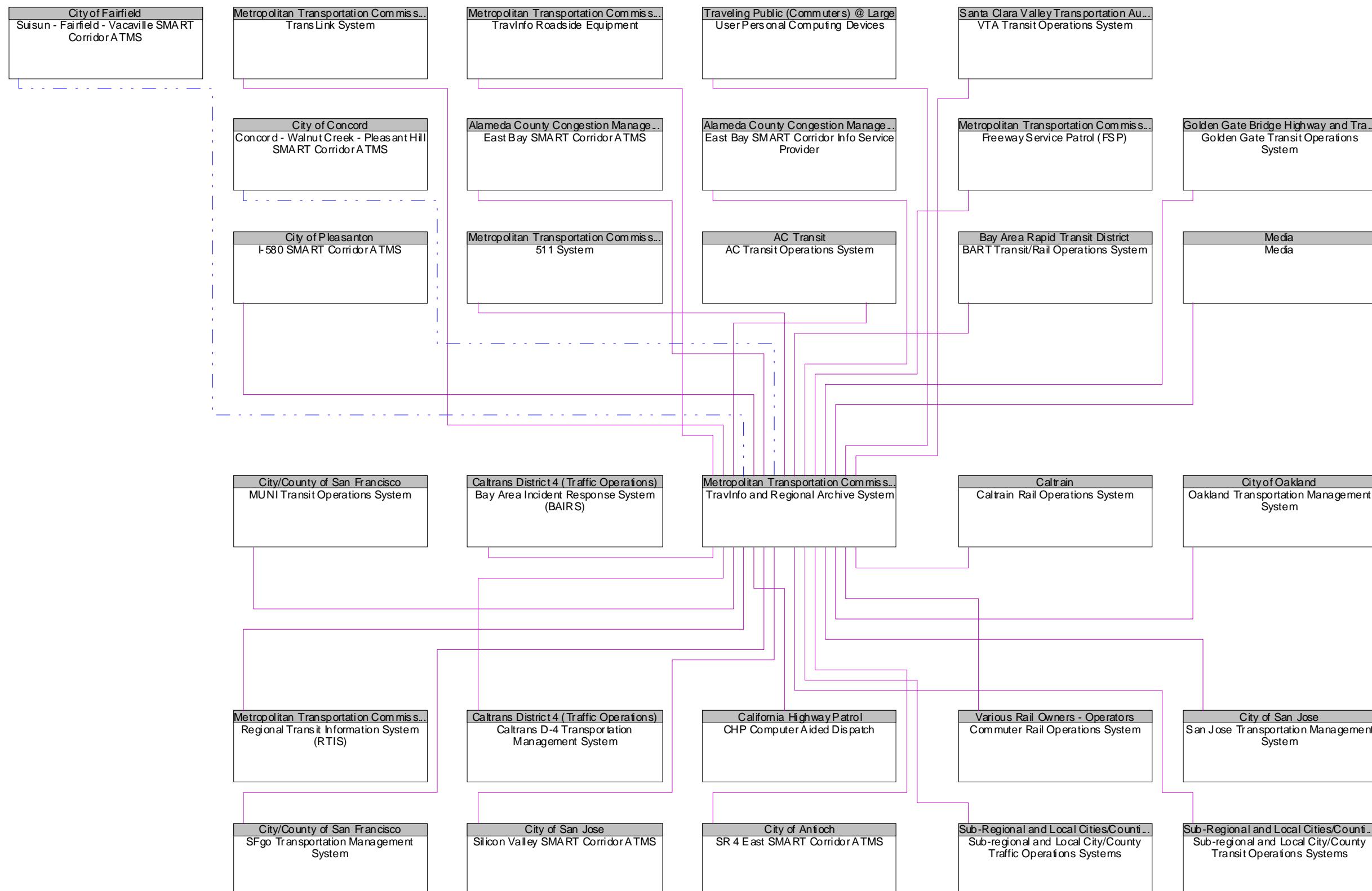




Stakeholder: **Media**
 Architecture Element: **Media**
Information Flows Diagram



Stakeholder: **Metropolitan Transportation Commission**
 Architecture Element: **TravInfo and Regional Archive System**
Interconnect Diagram



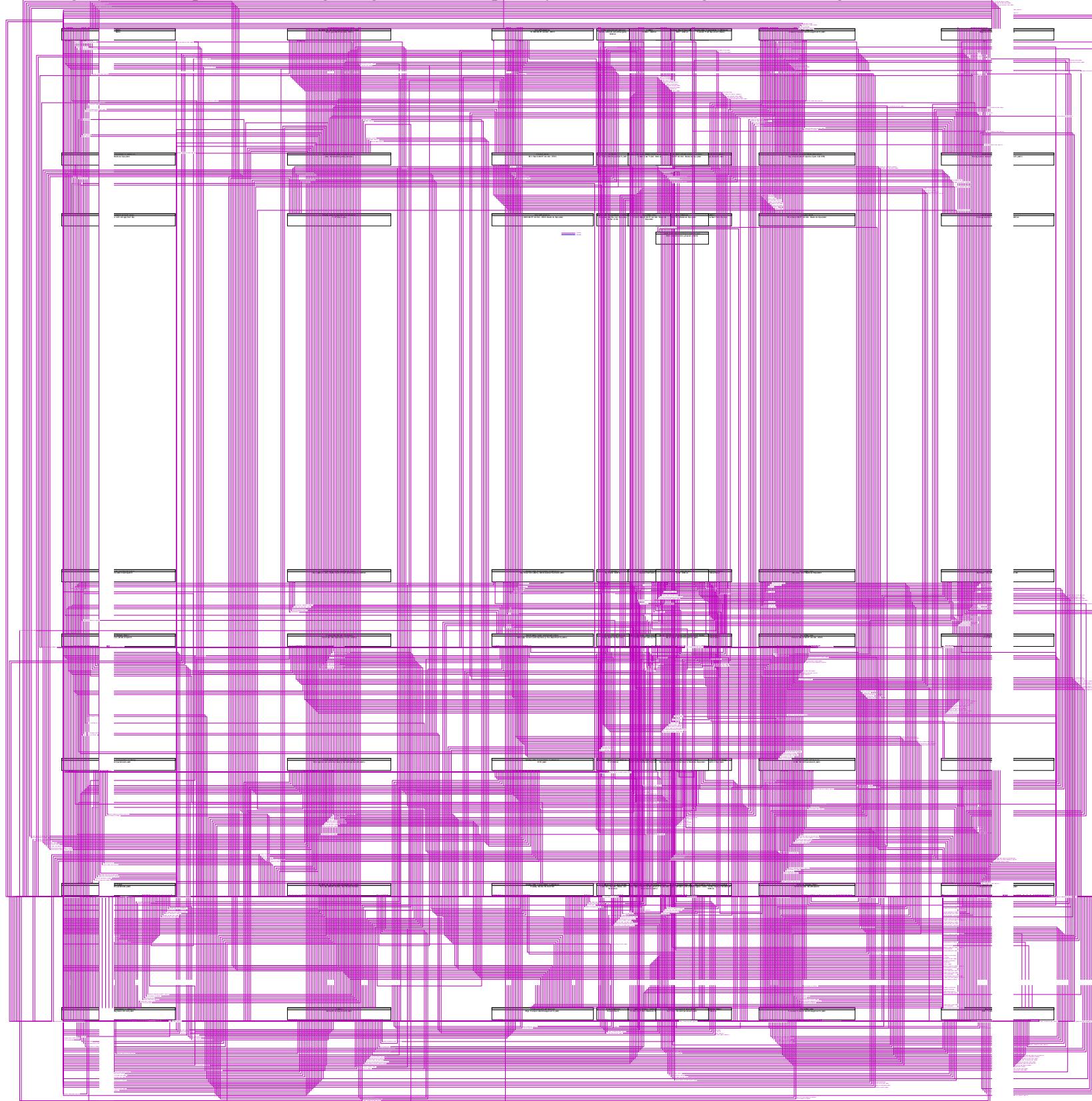
Existing
Planned

Stakeholder: **Metropolitan Transportation Commission**

Architecture Element: **TravInfo and Regional Archive System**

Information Flows Diagram (Existing Flows Only On This Page, Planned Flows Only On the Following Page)

This diagram is also be provided in a larger, legible format, separately from the other diagrams for this Regional ITS Architecture.

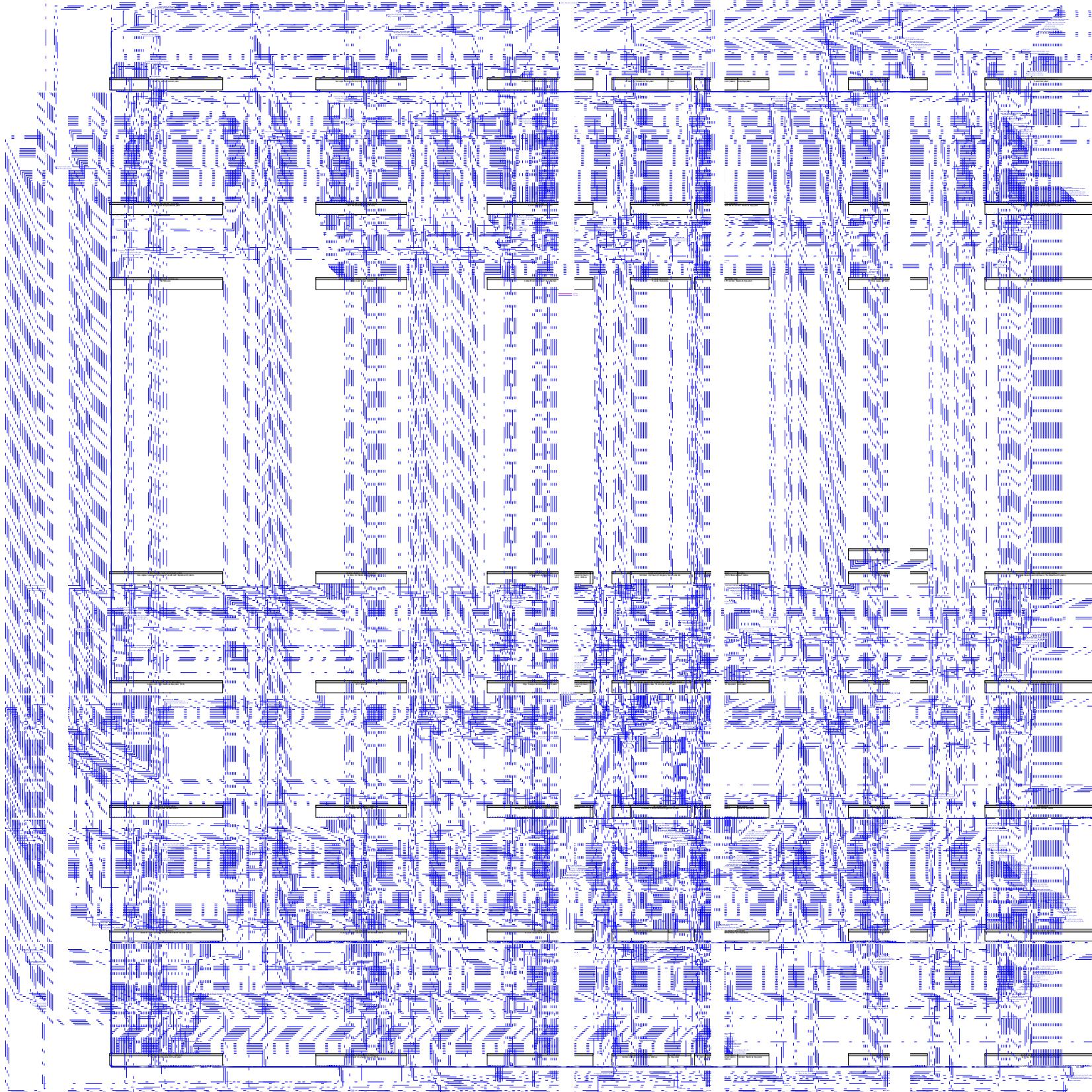


Stakeholder: **Metropolitan Transportation Commission**

Architecture Element: **TravInfo and Regional Archive System**

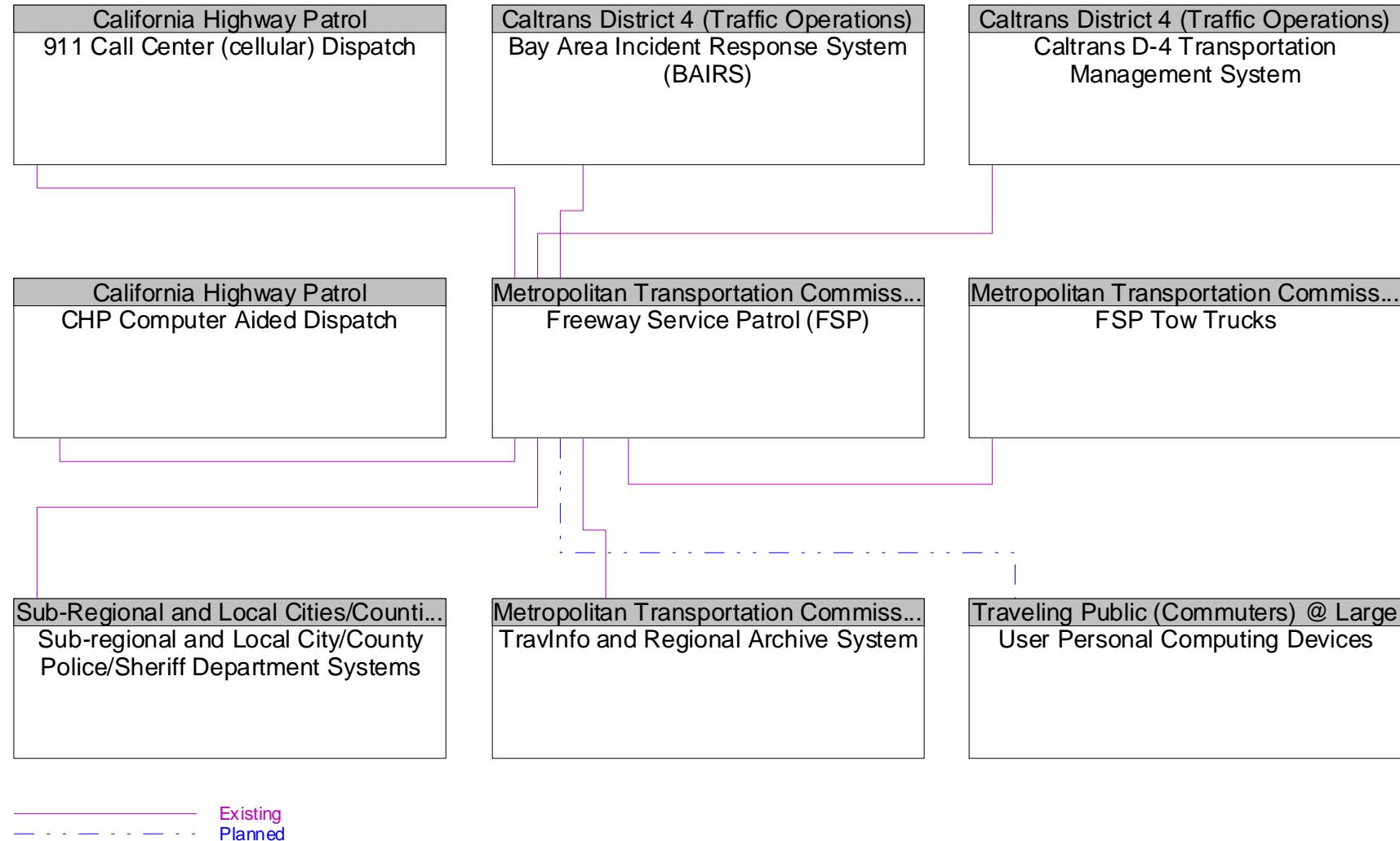
Information Flows Diagram (Planned Flows Only On This Page, Existing Flows Only On the Preceding Page)

This diagram is also be provided in a larger, legible format, separately from the other diagrams for this Regional ITS Architecture.

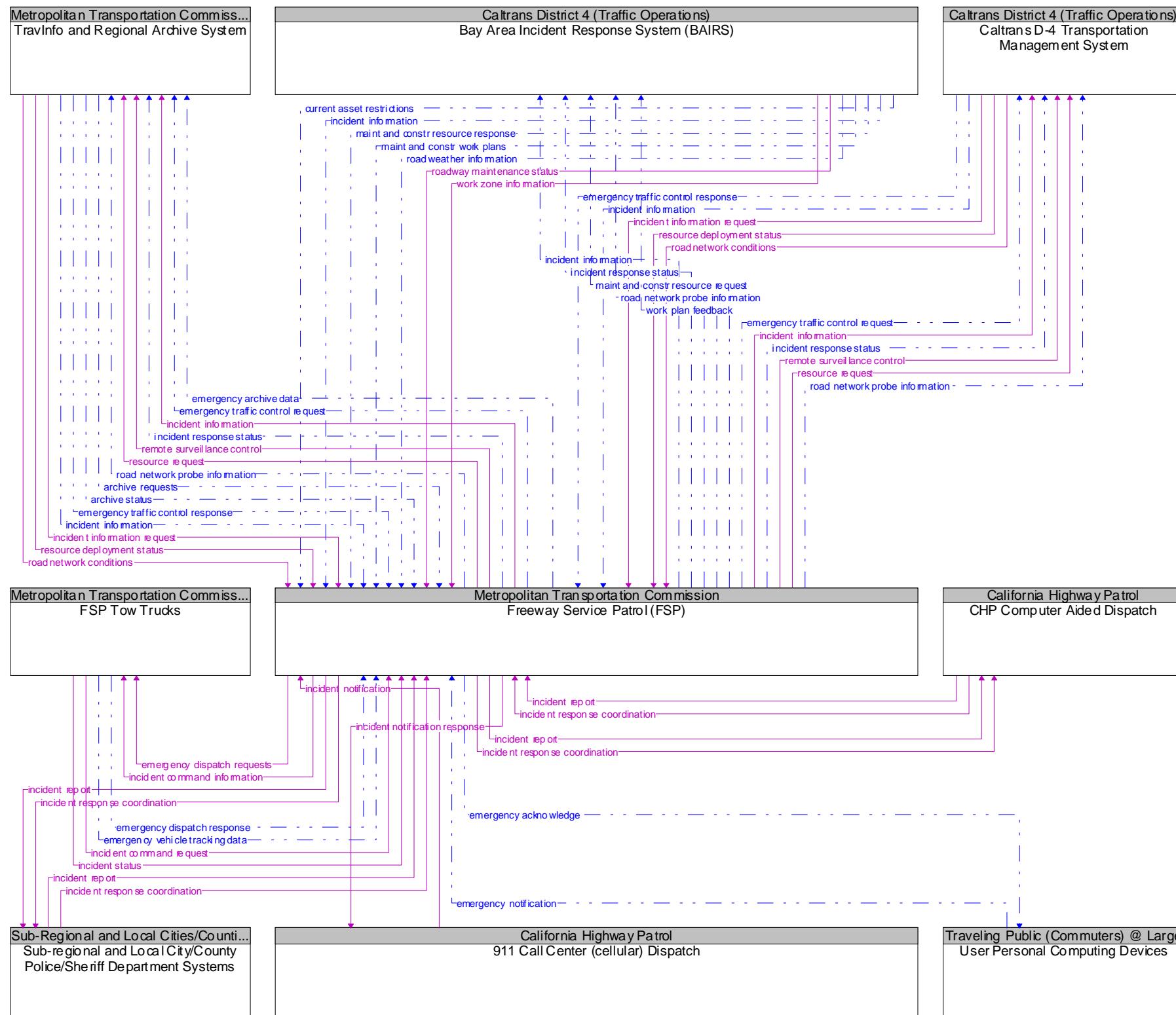


Stakeholder: **Metropolitan Transportation Commission**
Architecture Element: **Freeway Service Patrol (FSP)**

Interconnect Diagram



Stakeholder: **Metropolitan Transportation Commission**
 Architecture Element: **Freeway Service Patrol (FSP)**
Information Flows Diagram

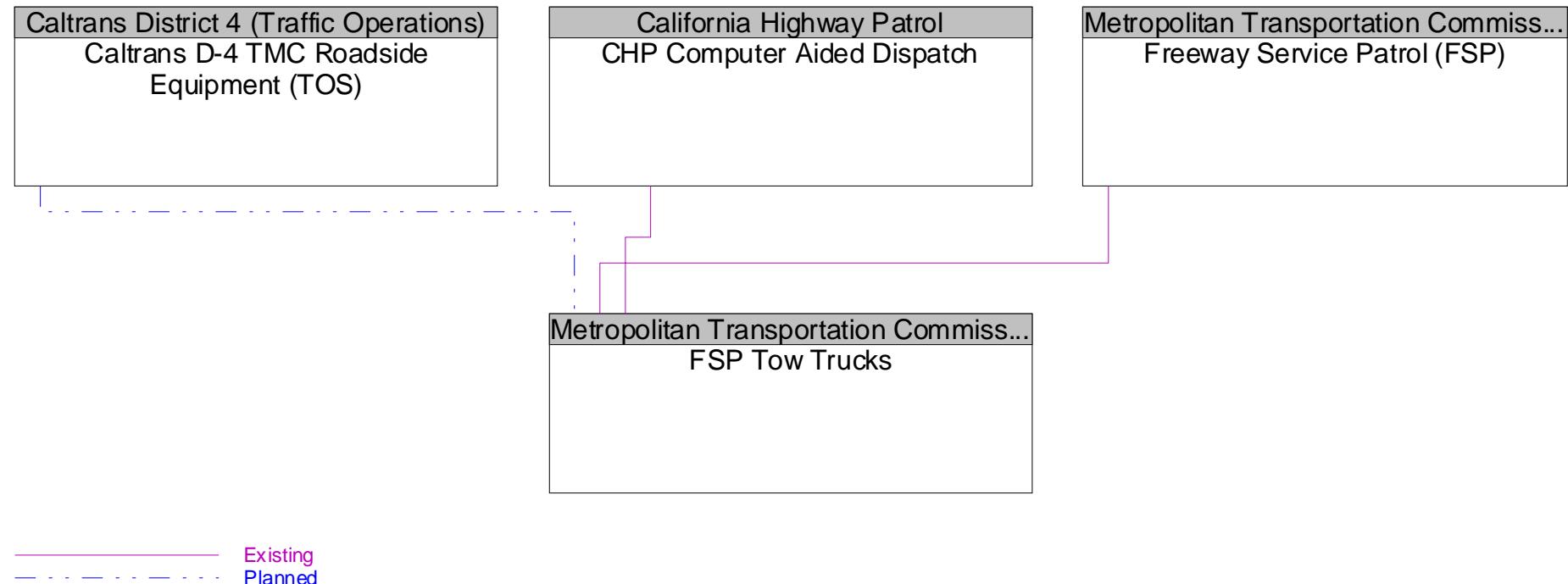


— Existing
— Planned

Stakeholder: **Metropolitan Transportation Commission**

Architecture Element: **FSP Tow Trucks**

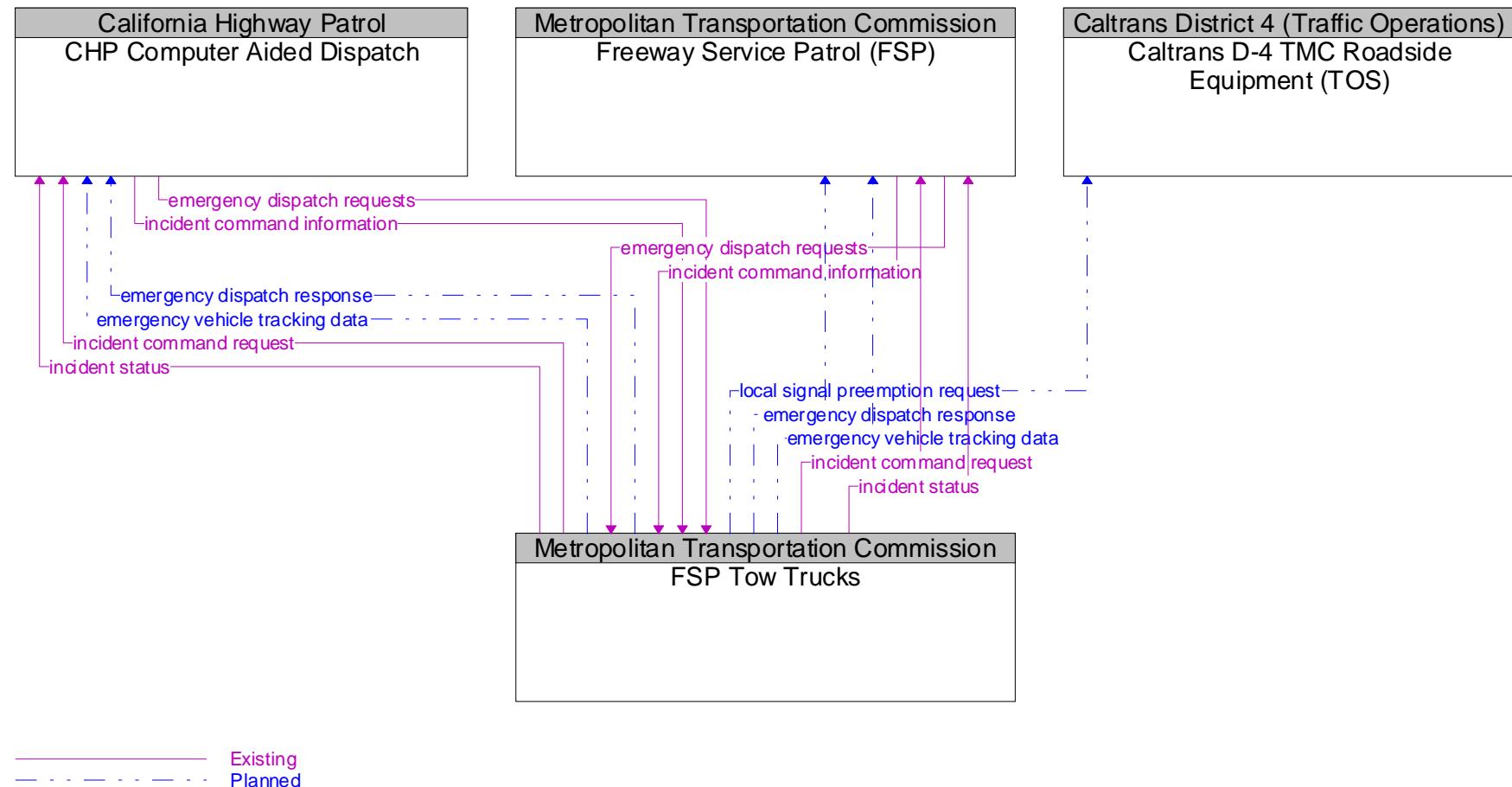
Interconnect Diagram



Stakeholder: **Metropolitan Transportation Commission**

Architecture Element: **FSP Tow Trucks**

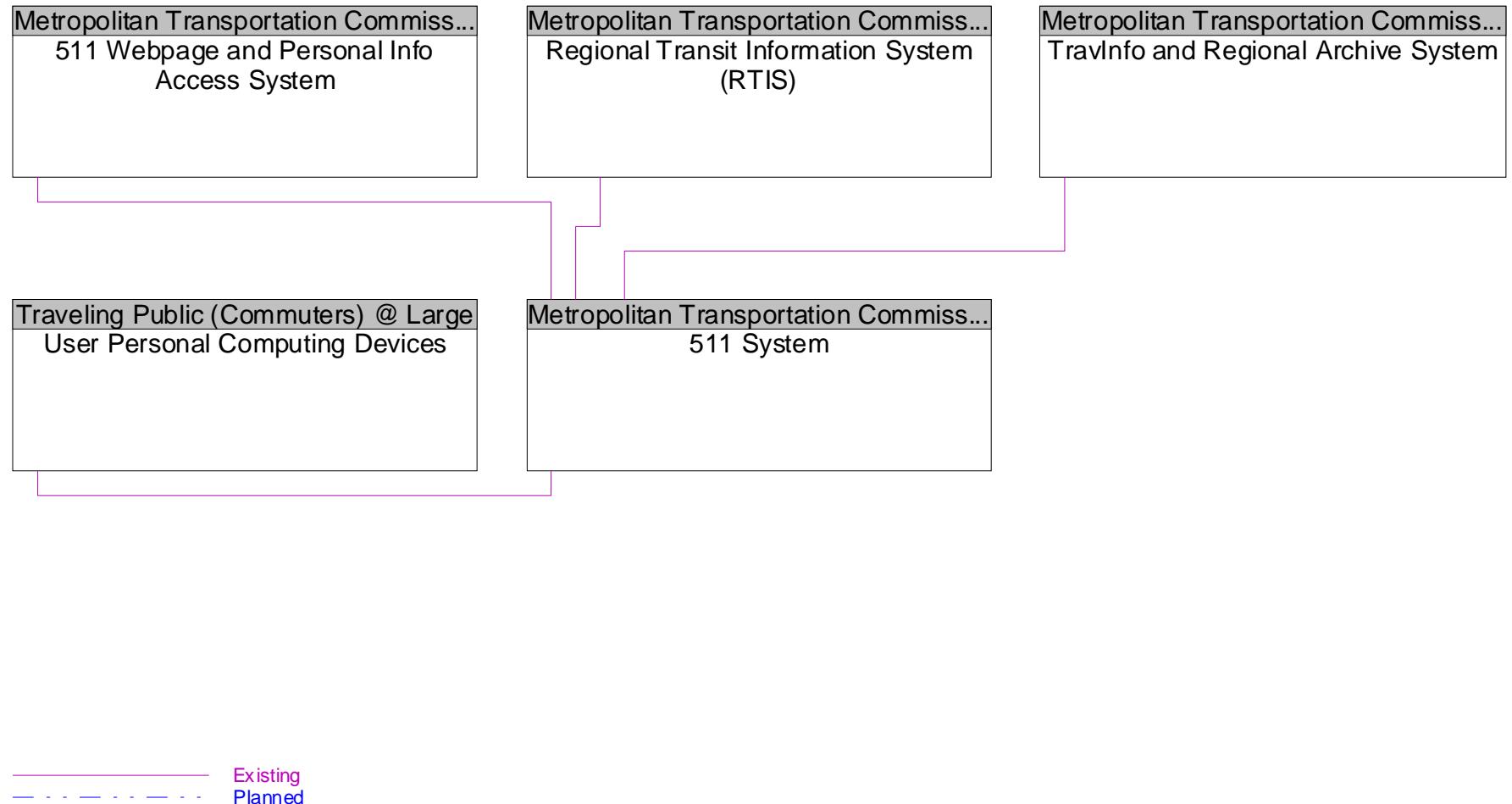
Information Flows Diagram



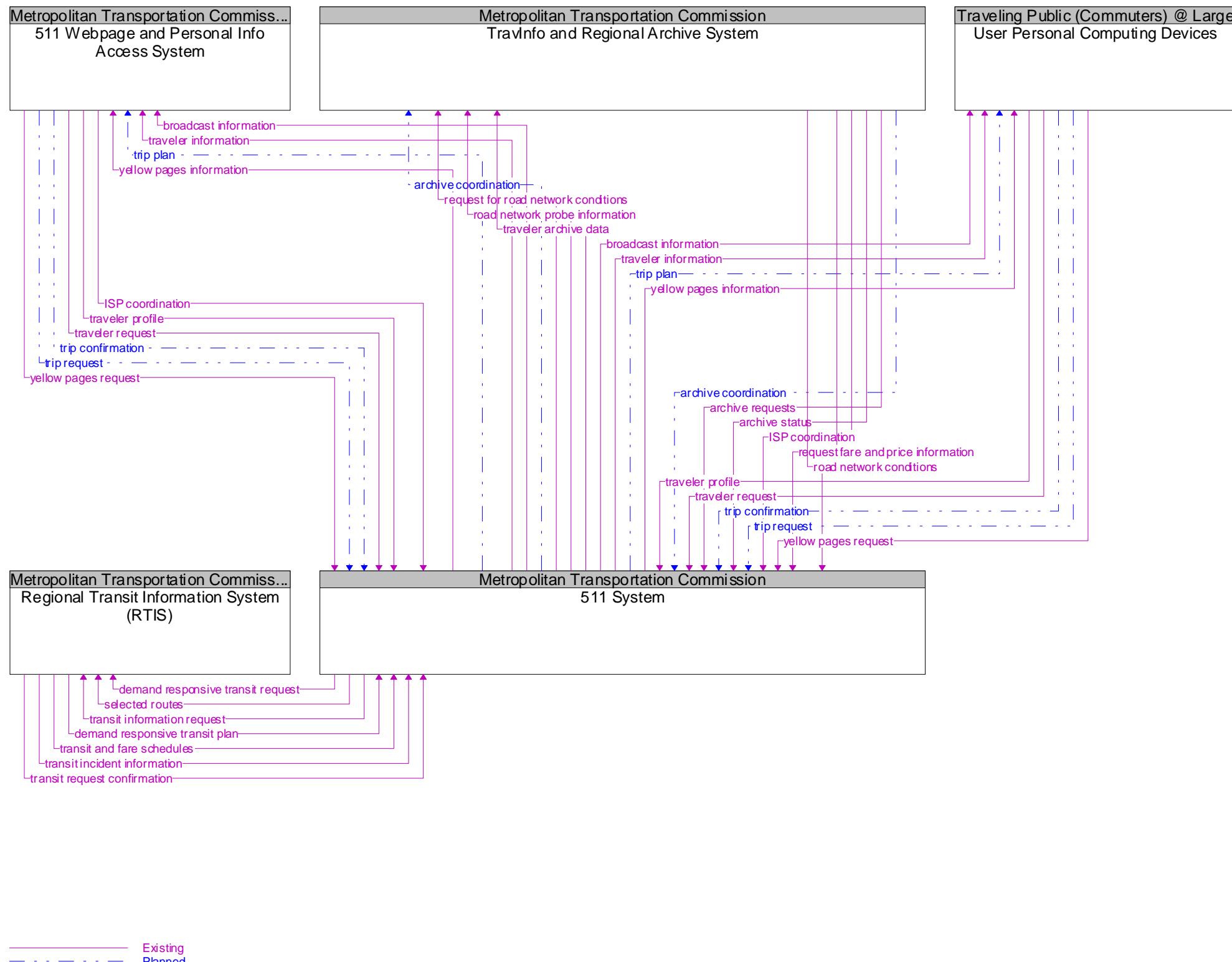
Stakeholder: **Metropolitan Transportation Commission**

Architecture Element: **511 System**

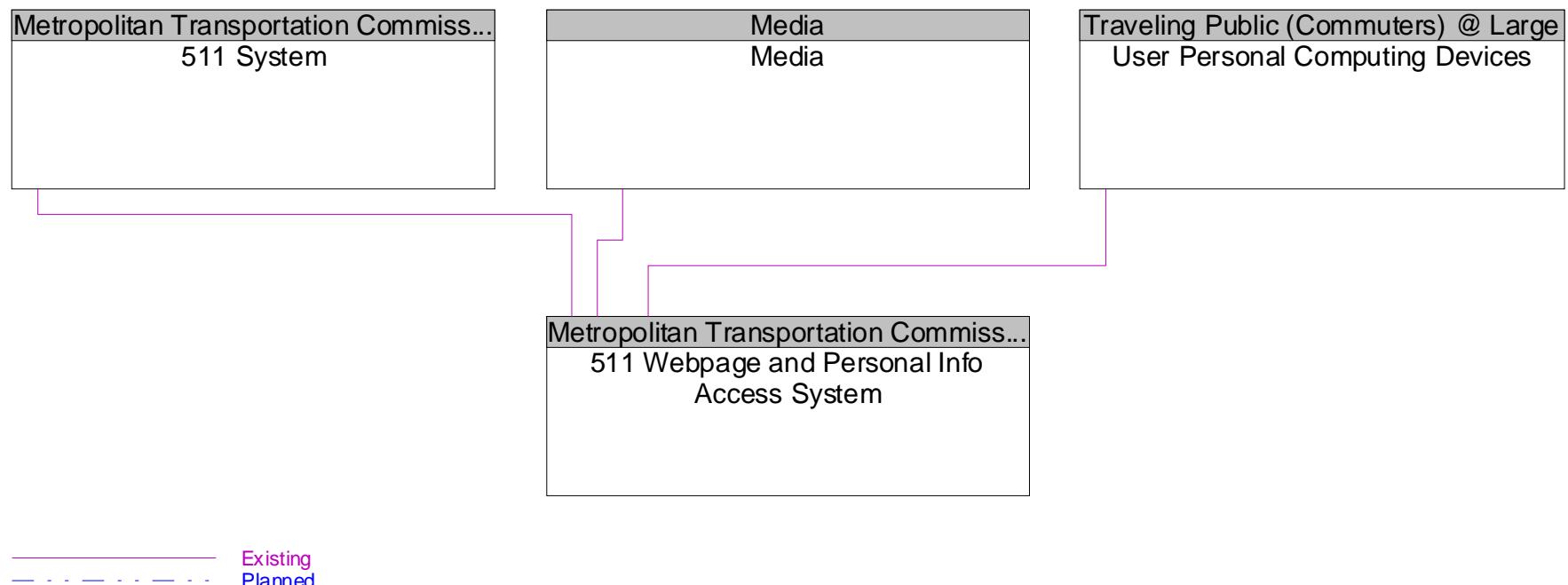
Interconnect Diagram



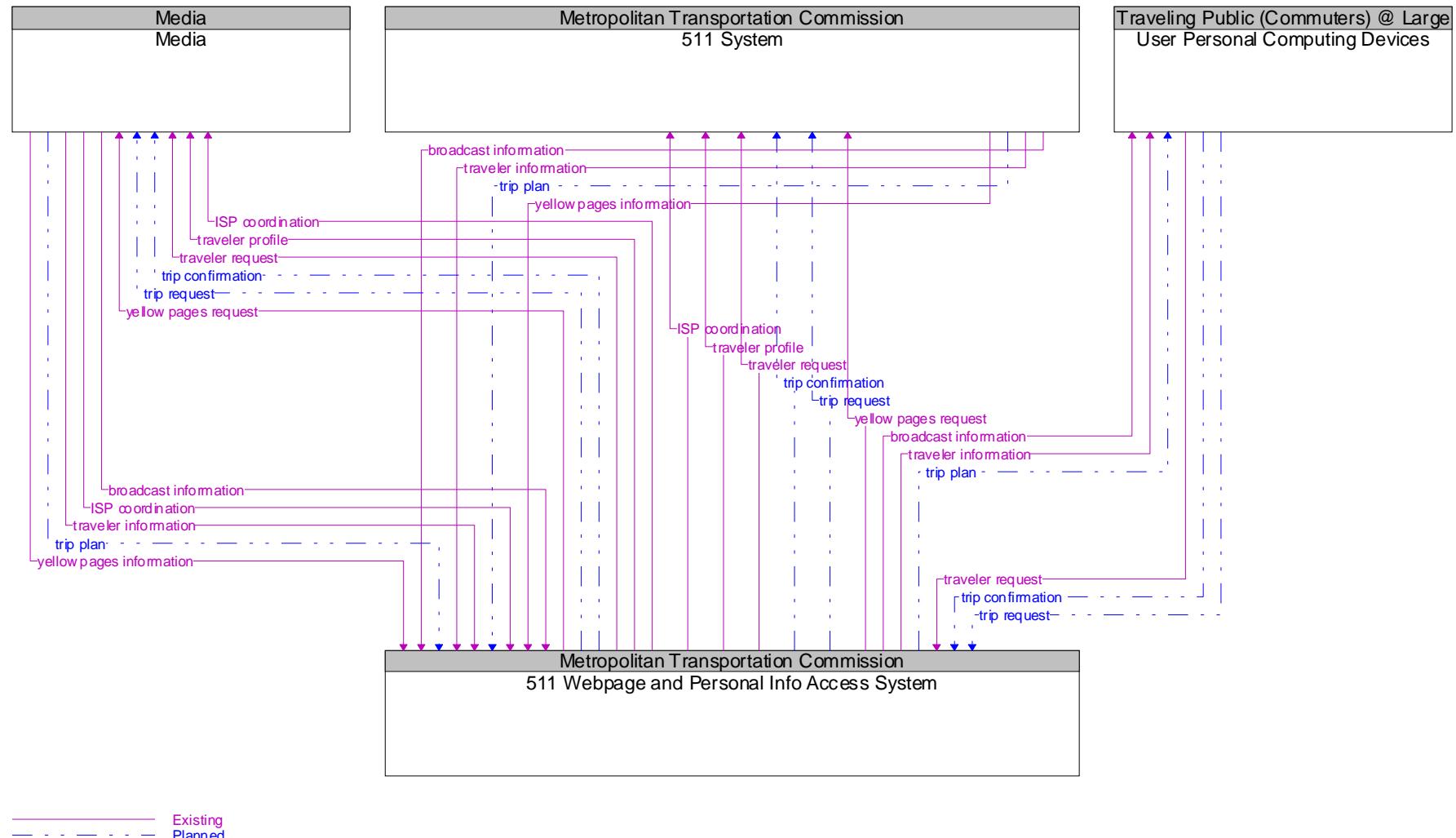
Stakeholder: **Metropolitan Transportation Commission**
 Architecture Element: **511 System**
Information Flows Diagram



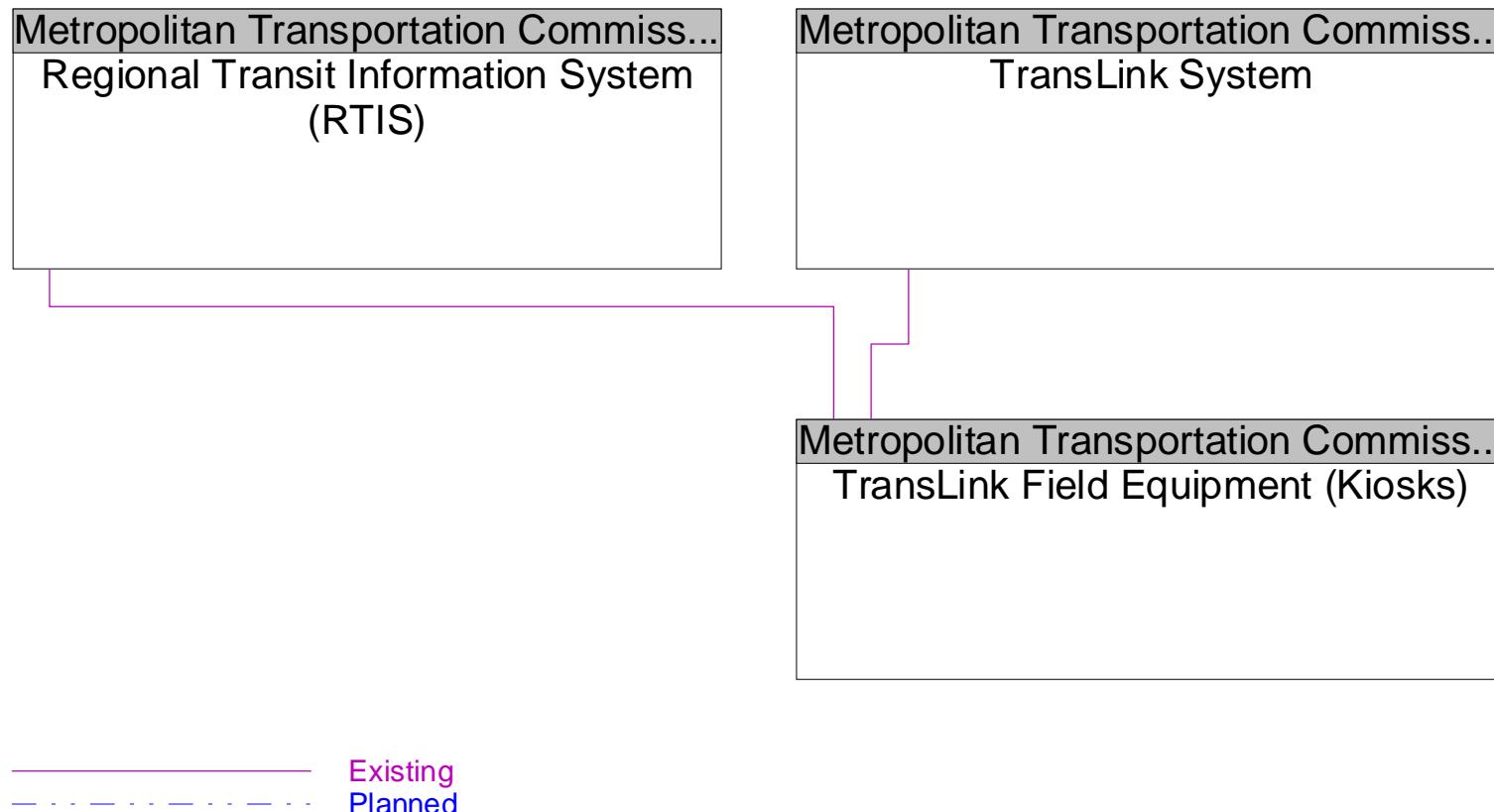
Stakeholder: **Metropolitan Transportation Commission**
Architecture Element: **511 Webpage and Personal Info Access System**
Interconnect Diagram



Stakeholder: **Metropolitan Transportation Commission**
 Architecture Element: **511 Webpage and Personal Info Access System**
Information Flows Diagram



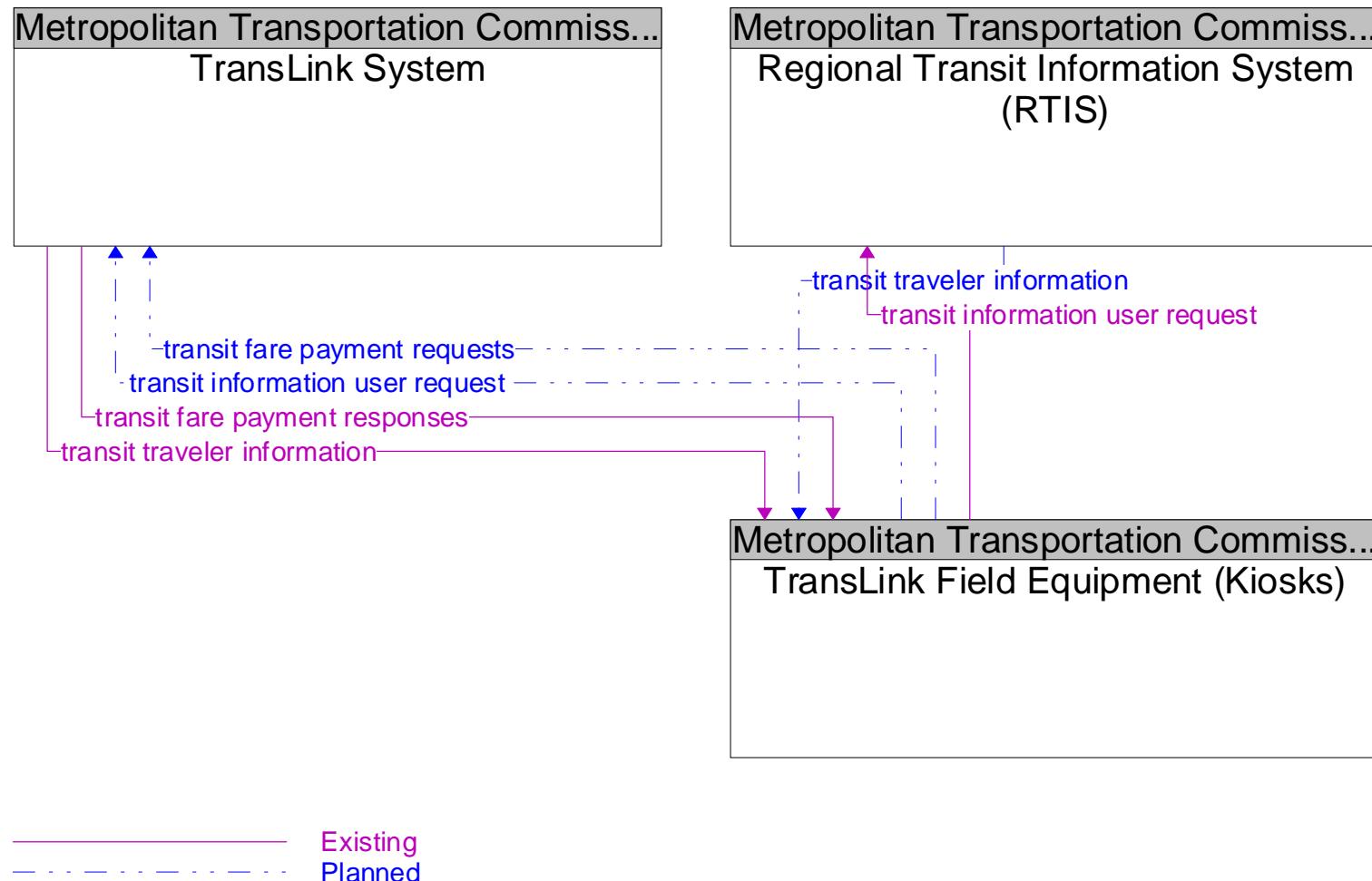
Stakeholder: **Metropolitan Transportation Commission**
Architecture Element: **TransLink Field Equipment (Kiosks)**
Interconnect Diagram



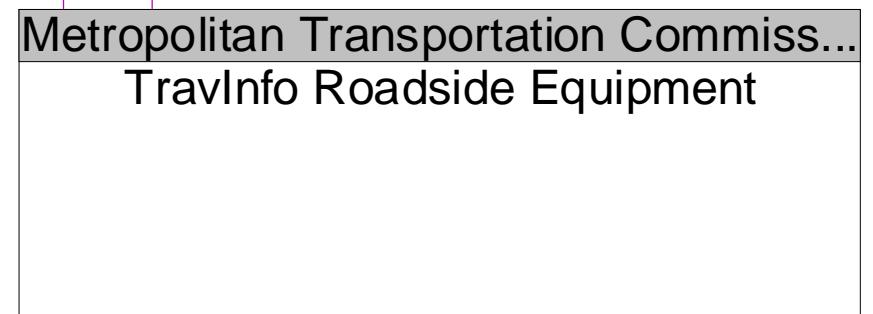
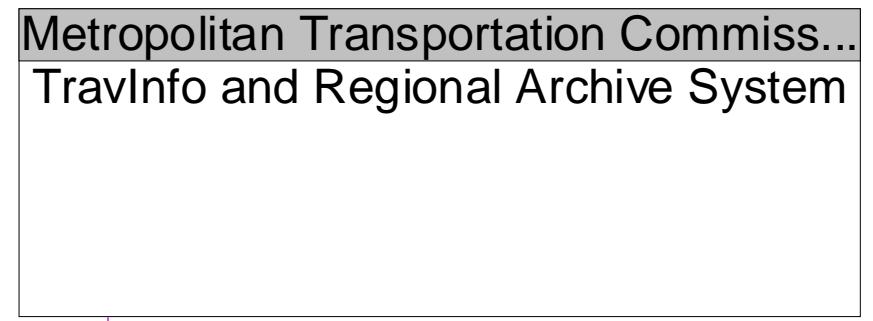
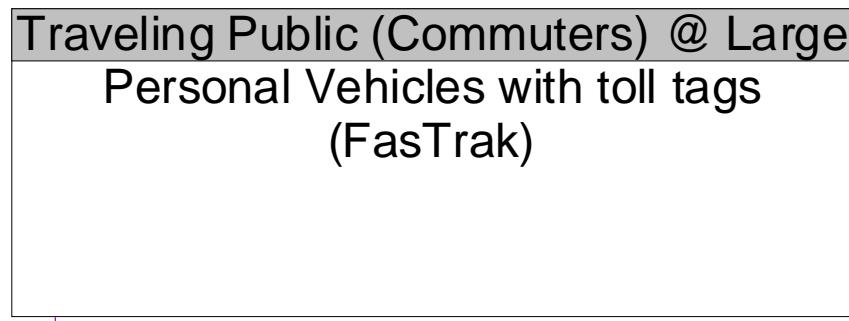
Stakeholder: **Metropolitan Transportation Commission**

Architecture Element: **TransLink Field Equipment (Kiosks)**

Information Flows Diagram



Stakeholder: **Metropolitan Transportation Commission**
Architecture Element: **TravInfo Roadside Equipment**
Interconnect Diagram

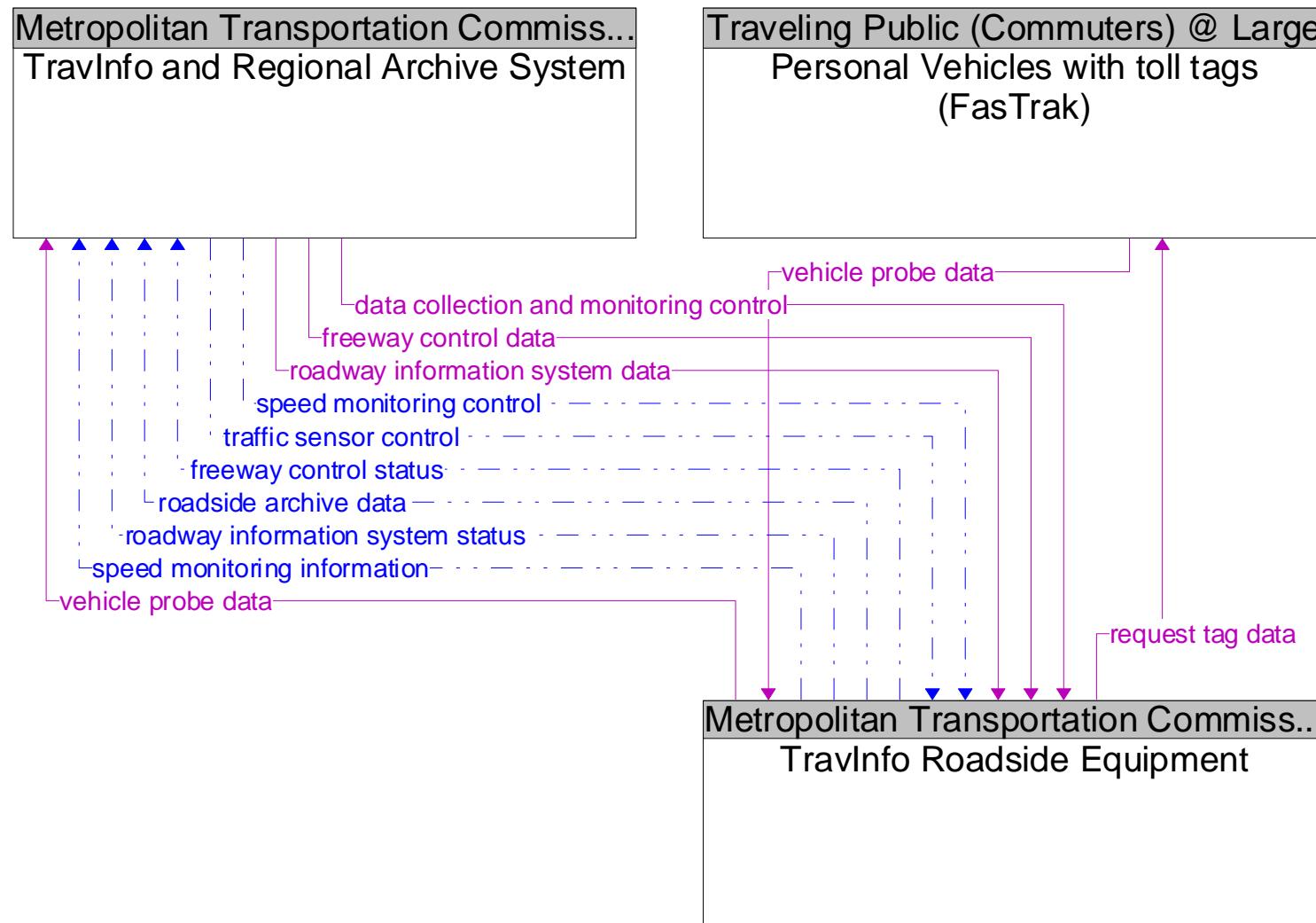


— Existing
- - - - - Planned

Stakeholder: **Metropolitan Transportation Commission**

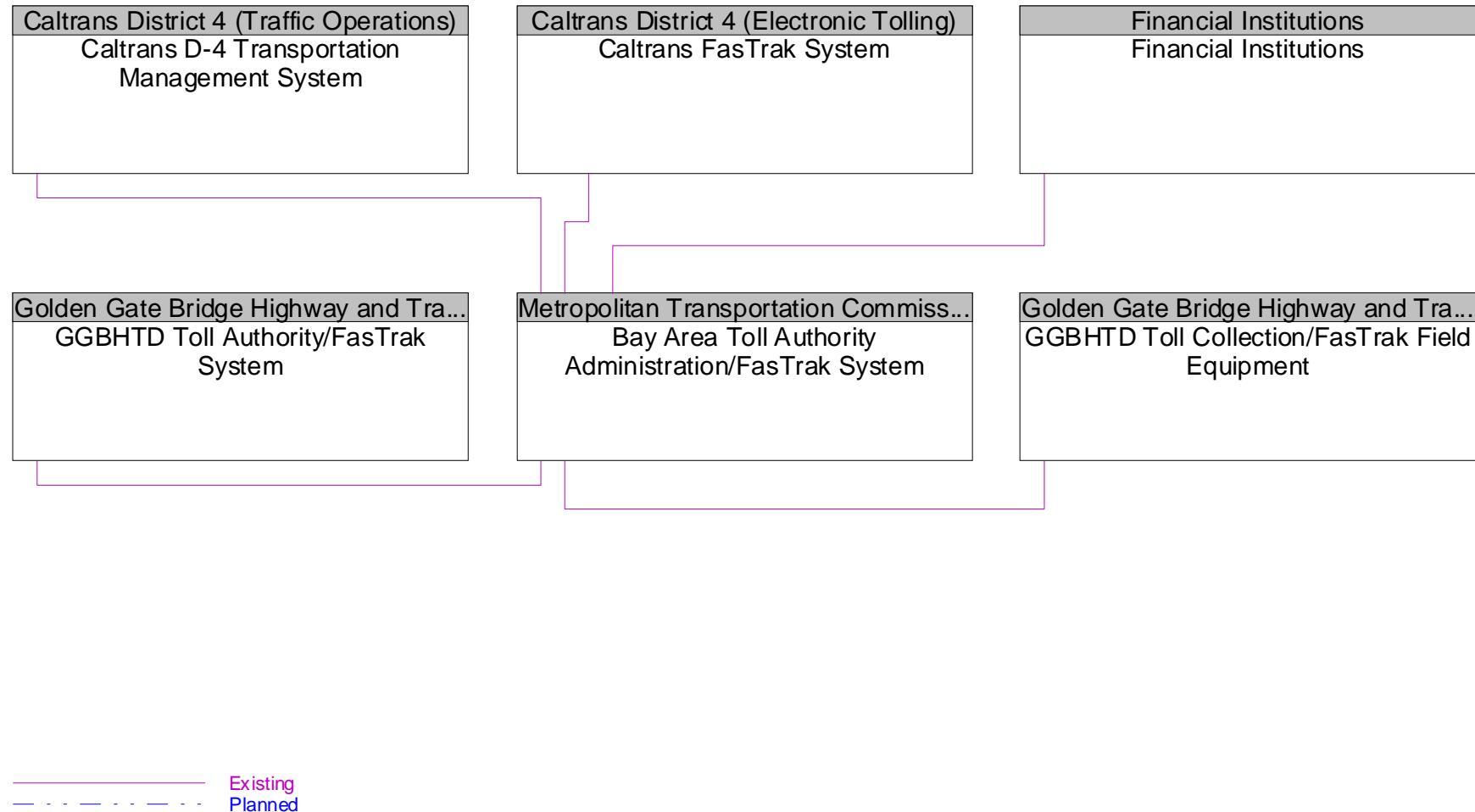
Architecture Element: **TravInfo Roadside Equipment**

Information Flows Diagram

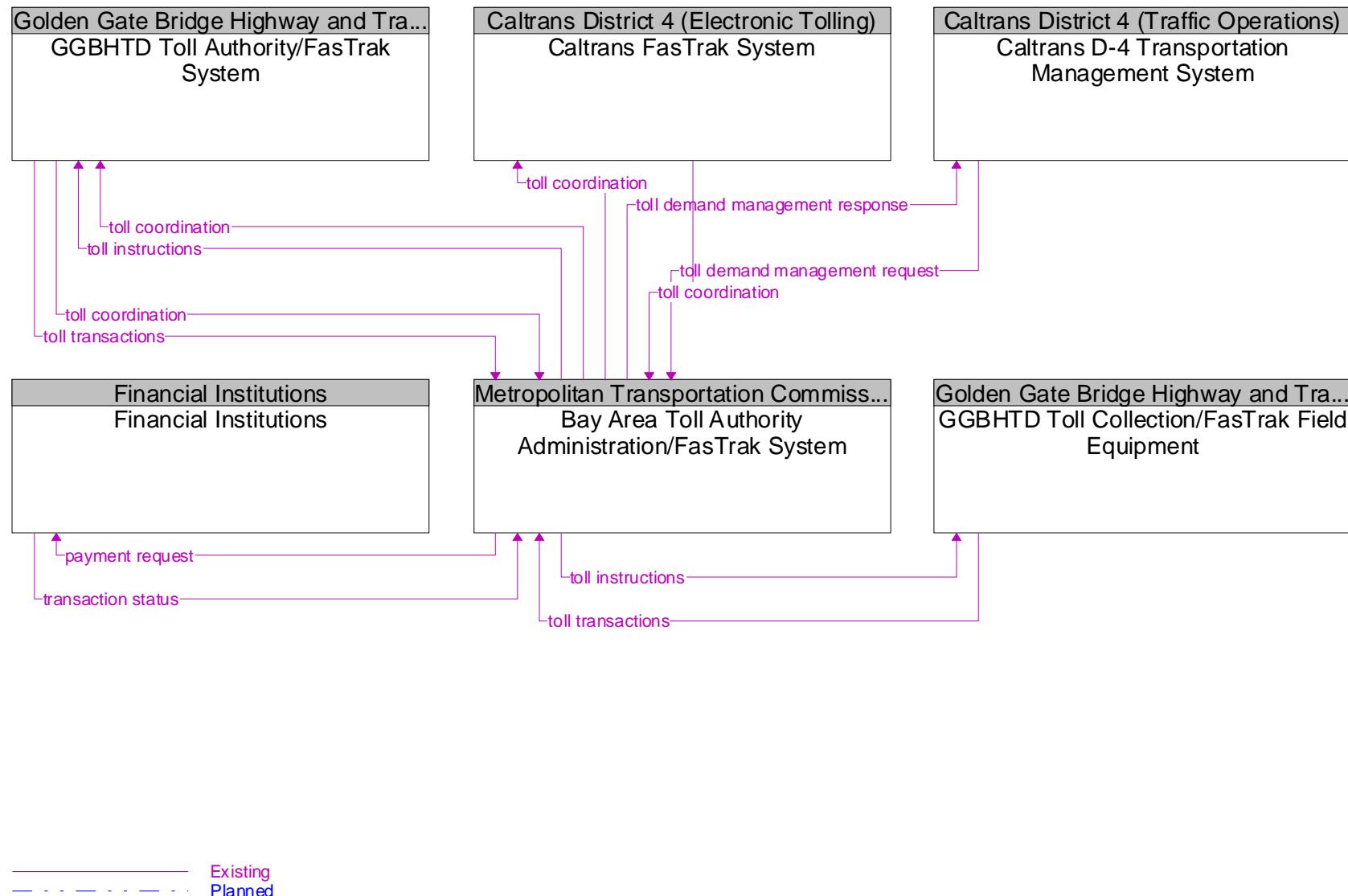


Existing
Planned

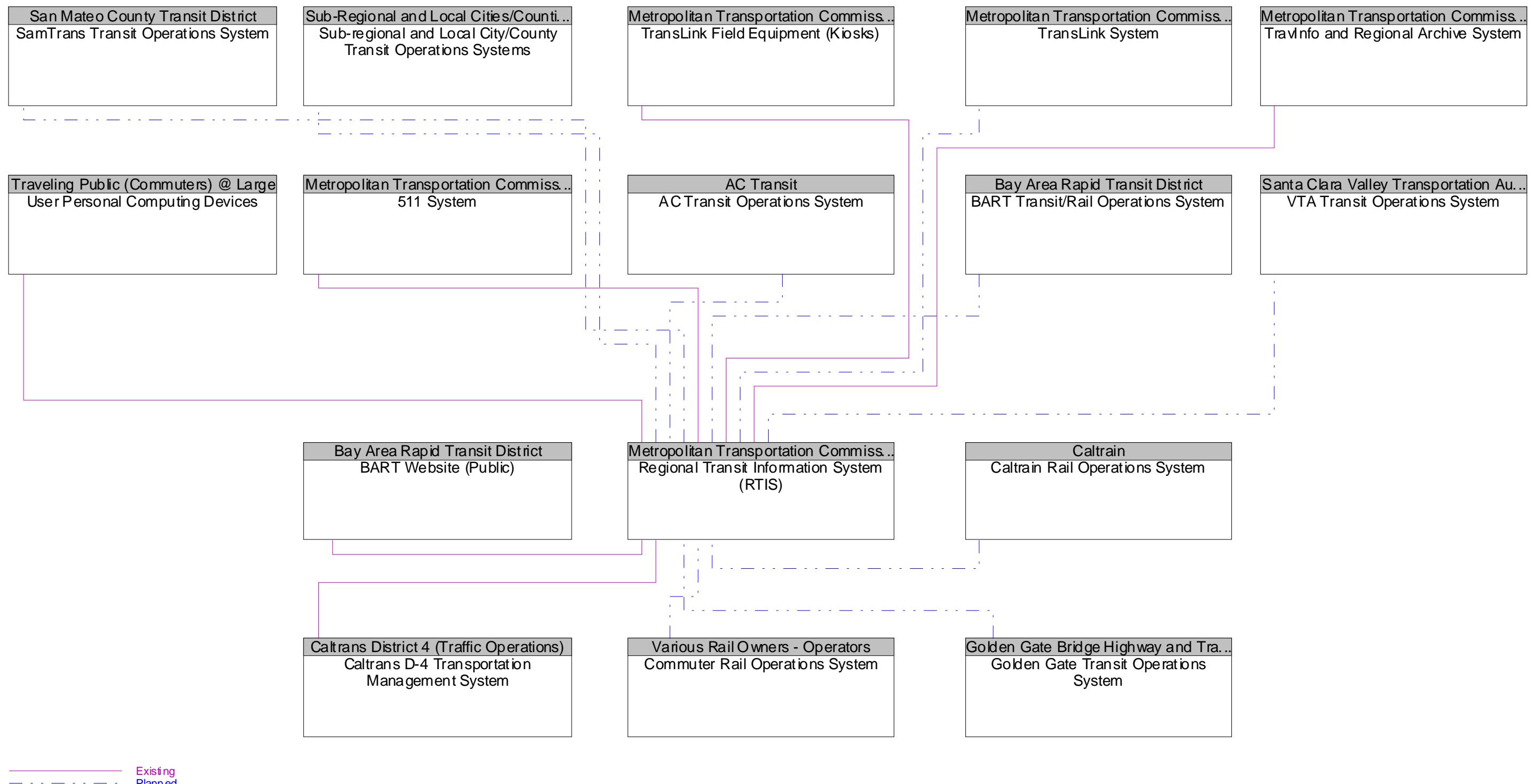
Stakeholder: **Metropolitan Transportation Commission**
Architecture Element: **Bay Area Toll Authority Administration/FasTrak System**

Interconnect Diagram

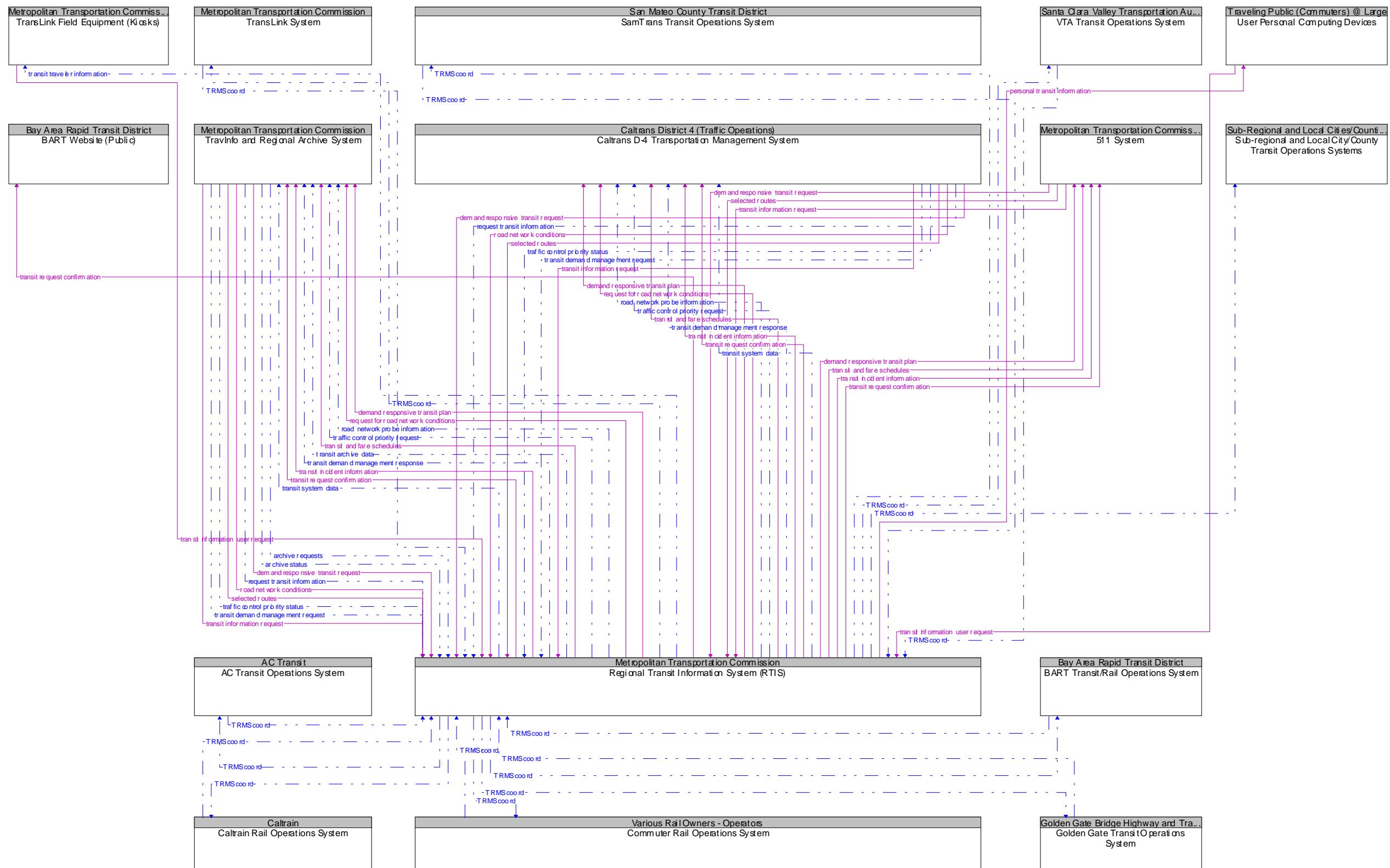
Stakeholder: **Metropolitan Transportation Commission**
 Architecture Element: **Bay Area Toll Authority Administration/FasTrak System**
Information Flows Diagram



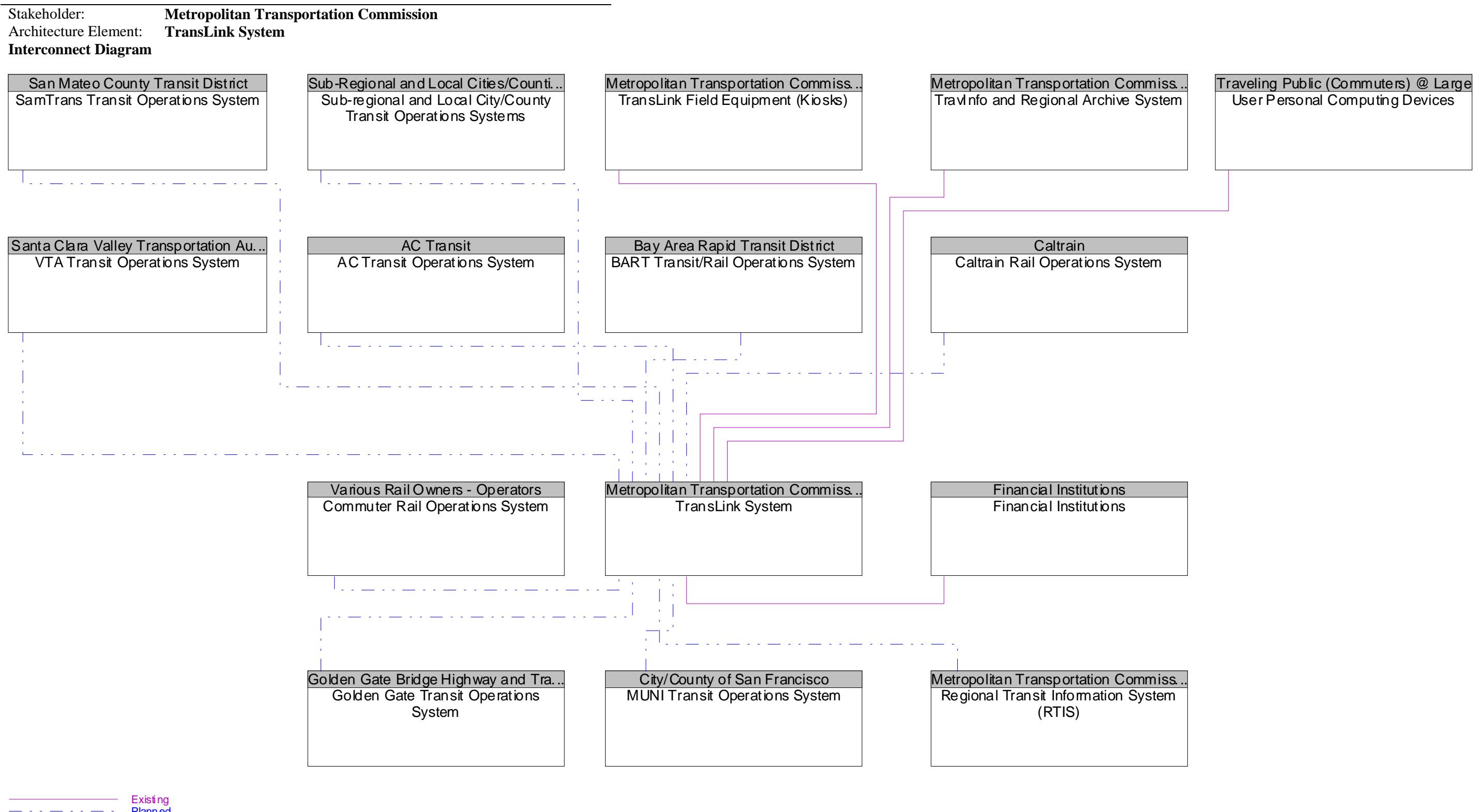
Stakeholder: **Metropolitan Transportation Commission**
 Architecture Element: **Regional Transit Information System (RTIS)**
Interconnect Diagram



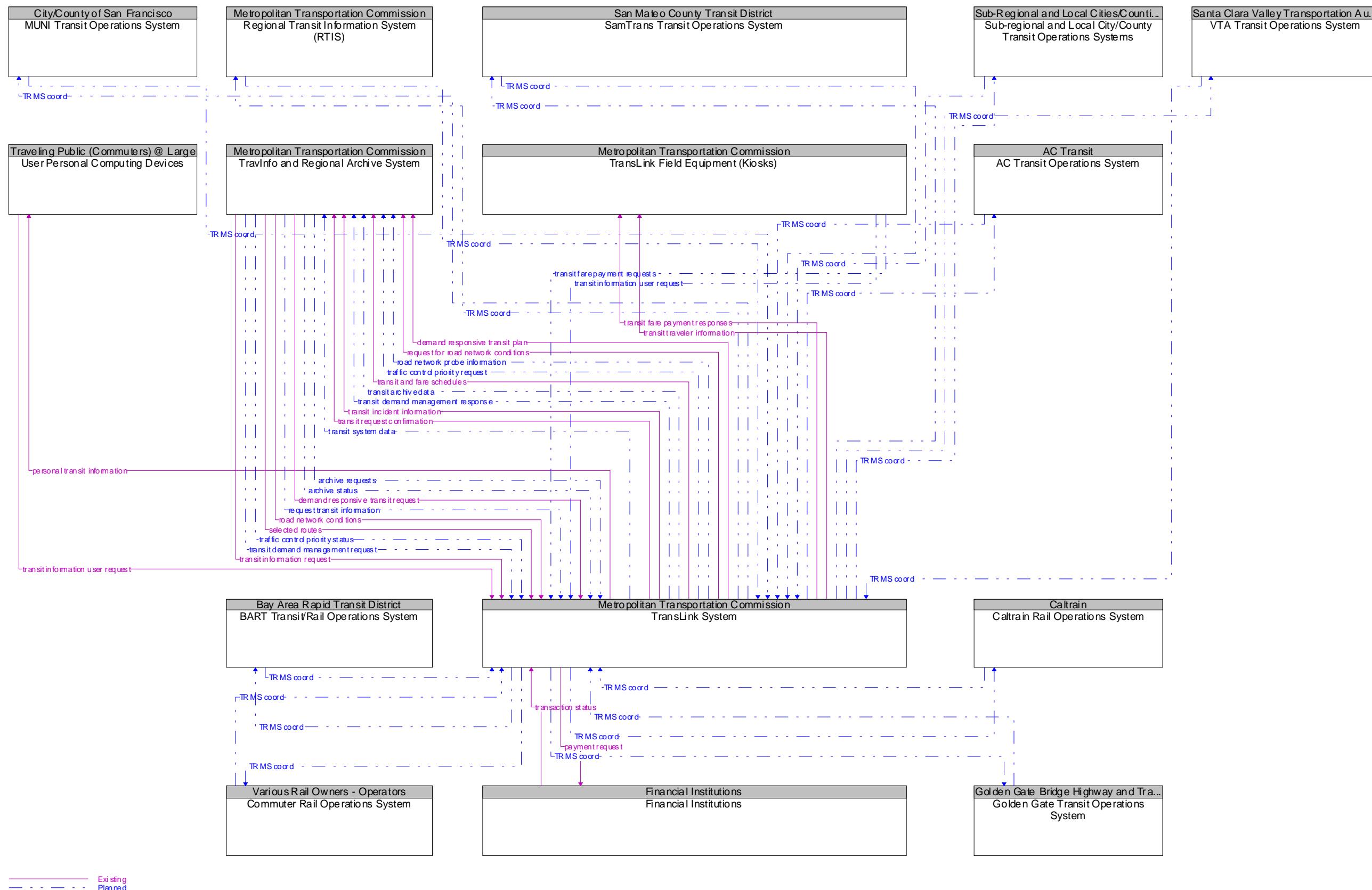
Stakeholder: Metropolitan Transportation Commission
Architecture Element: Regional Transit Information System (RTIS)
Information Flows Diagram



Existing
Plan ne

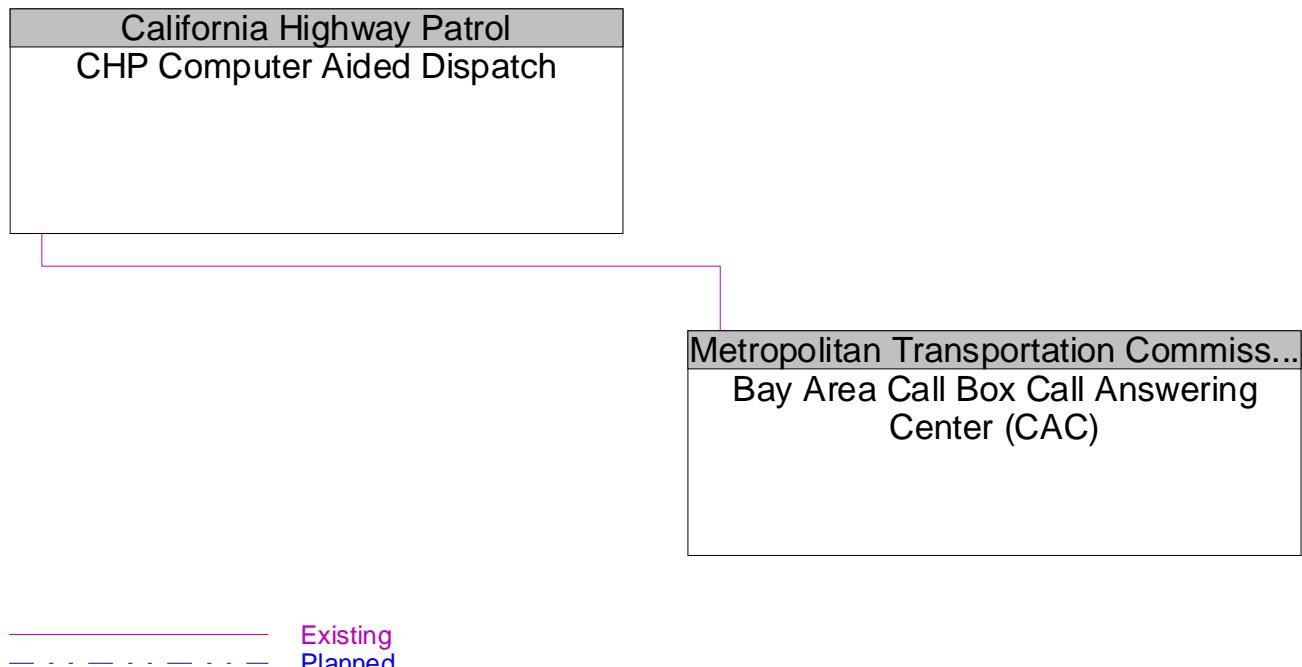


Stakeholder: **Metropolitan Transportation Commission**
 Architecture Element: **TransLink System**
Information Flows Diagram

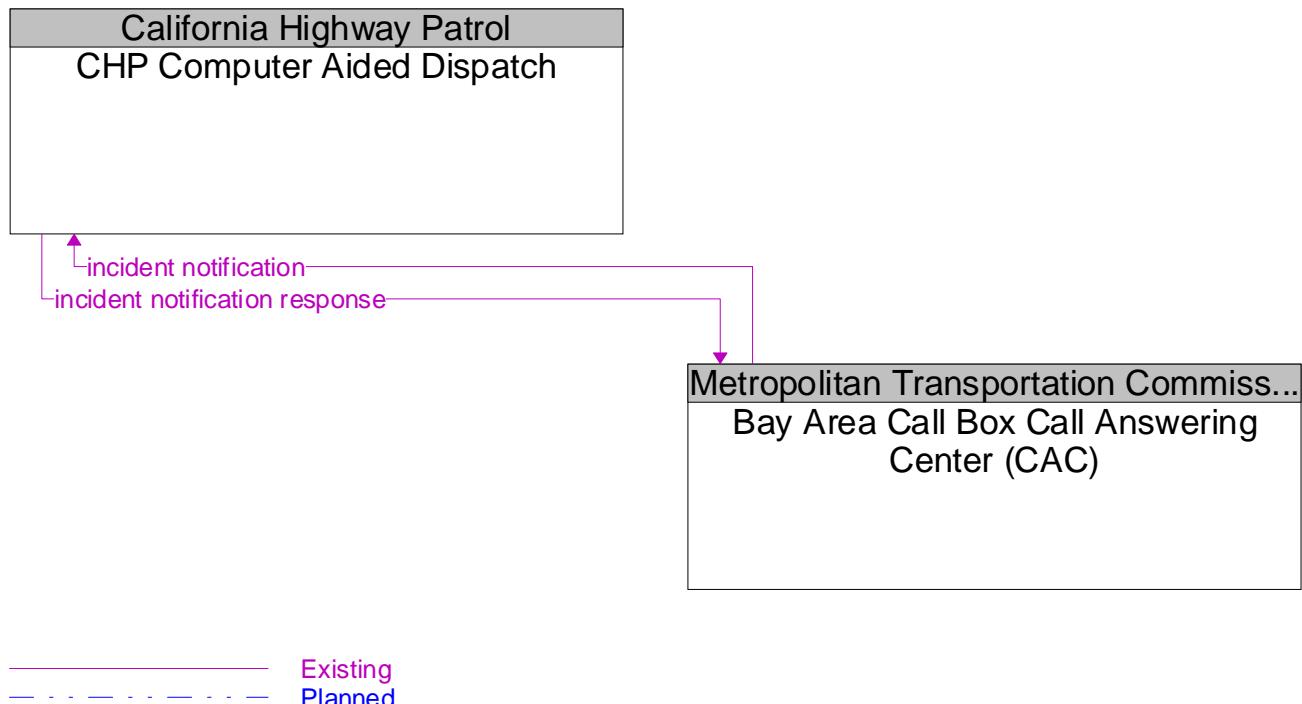


Existing
Planned

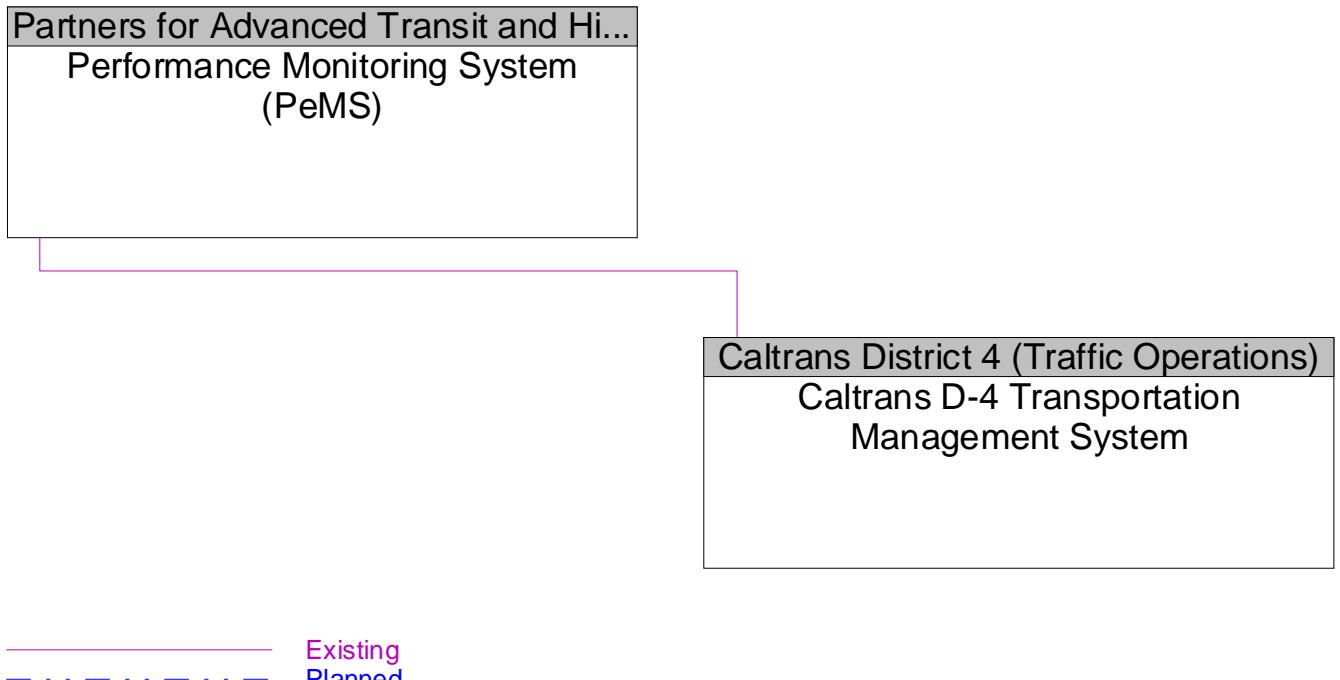
Stakeholder: **Metropolitan Transportation Commission**
Architecture Element: **Bay Area Call Box Call Answering Center (CAC)**
Interconnect Diagram



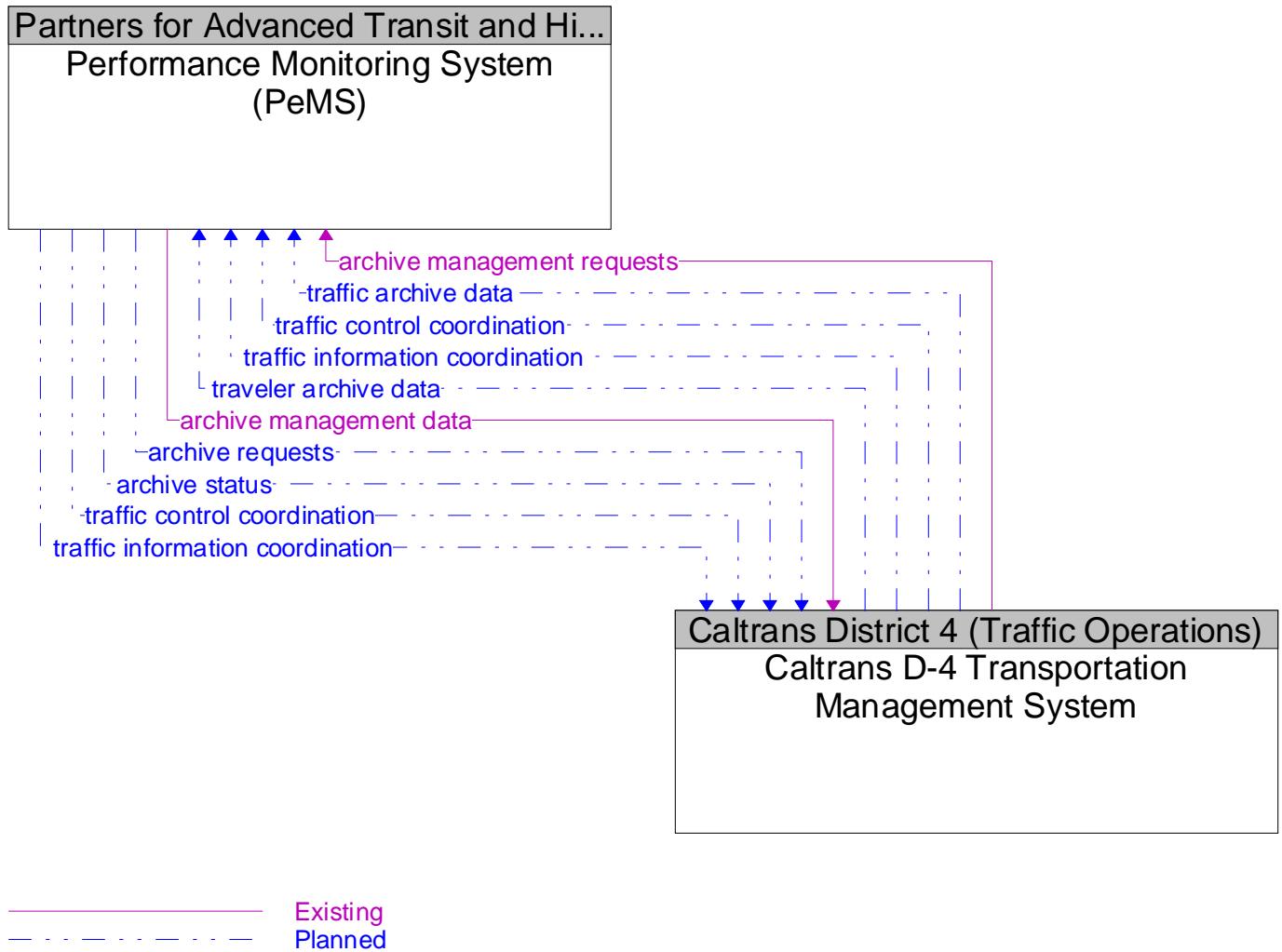
Stakeholder: **Metropolitan Transportation Commission**
Architecture Element: **Bay Area Call Box Call Answering Center (CAC)**
Information Flows Diagram



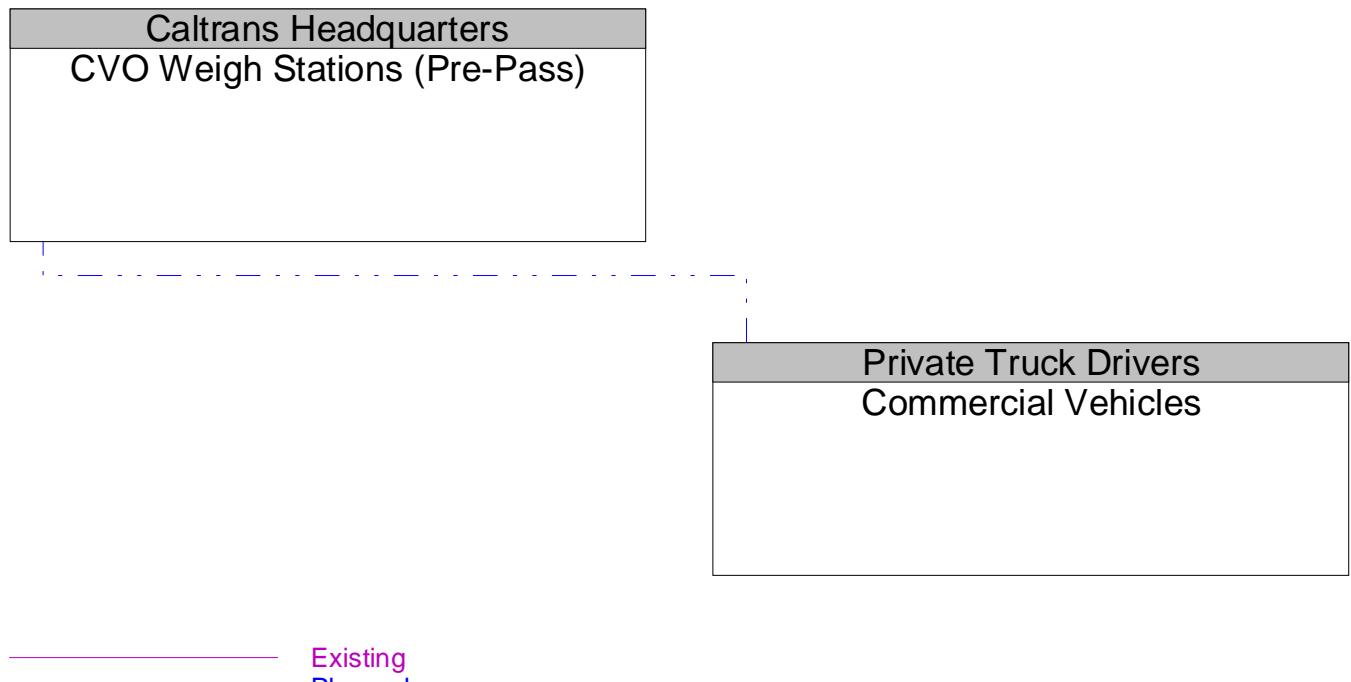
Stakeholder: **Partners for Advanced Transit and Highways**
Architecture Element: **Performance Monitoring System (PeMS)**
Interconnect Diagram



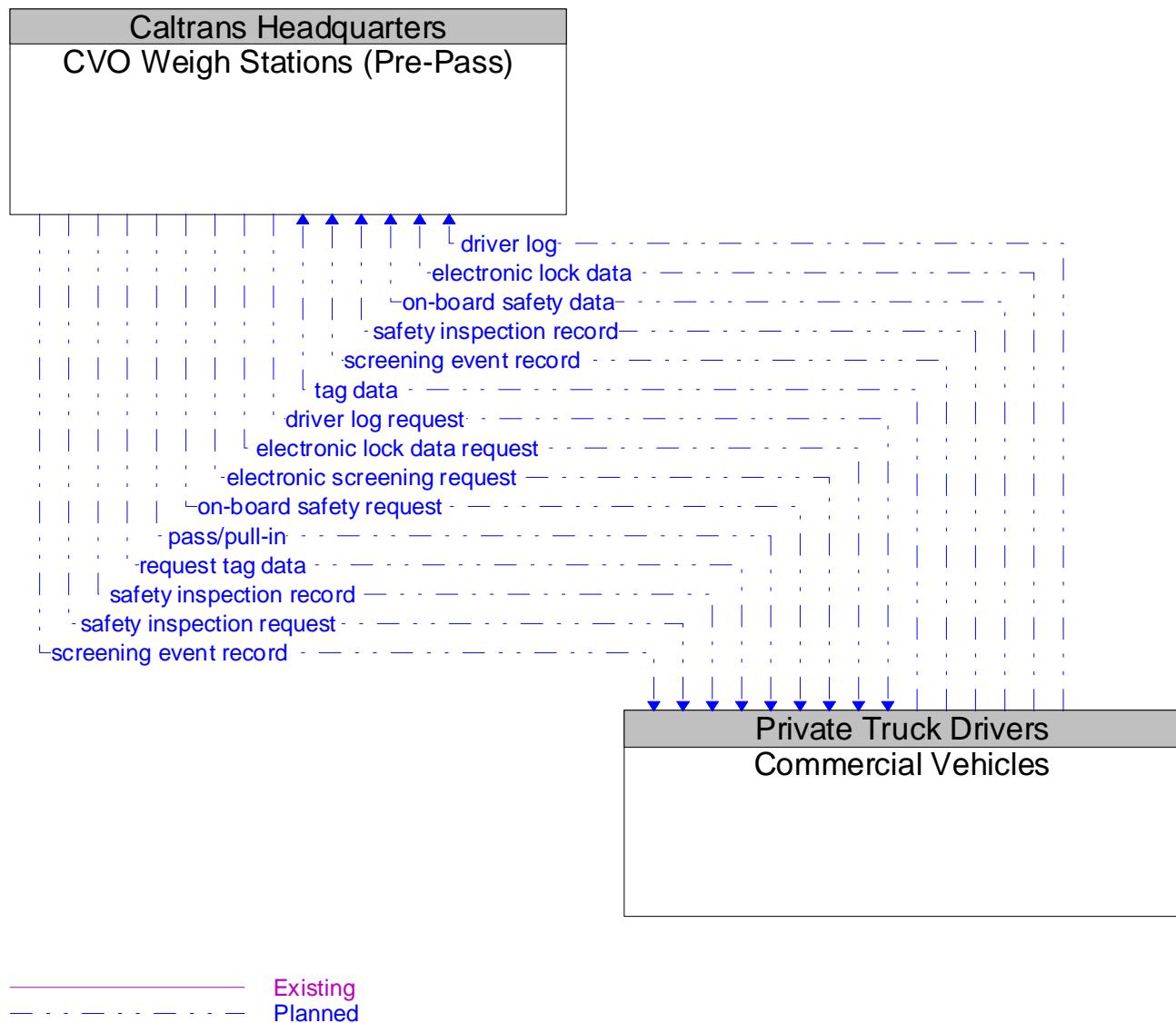
Stakeholder: **Partners for Advanced Transit and Highways**
 Architecture Element: **Performance Monitoring System (PeMS)**
Information Flows Diagram



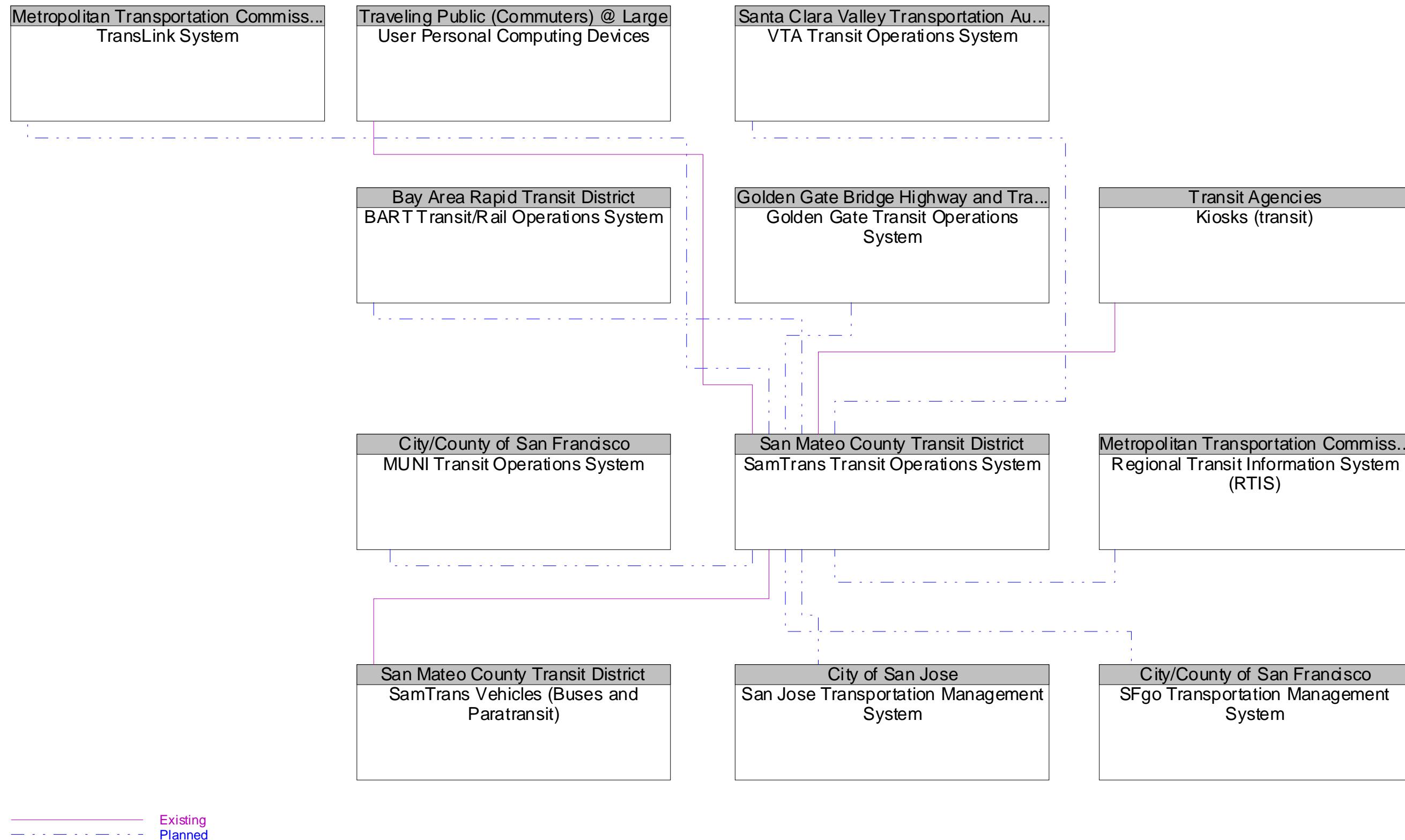
Stakeholder: **Private Truck Drivers**
Architecture Element: **Commercial Vehicles**
Interconnect Diagram



Stakeholder: **Private Truck Drivers**
 Architecture Element: **Commercial Vehicles**
Information Flows Diagram

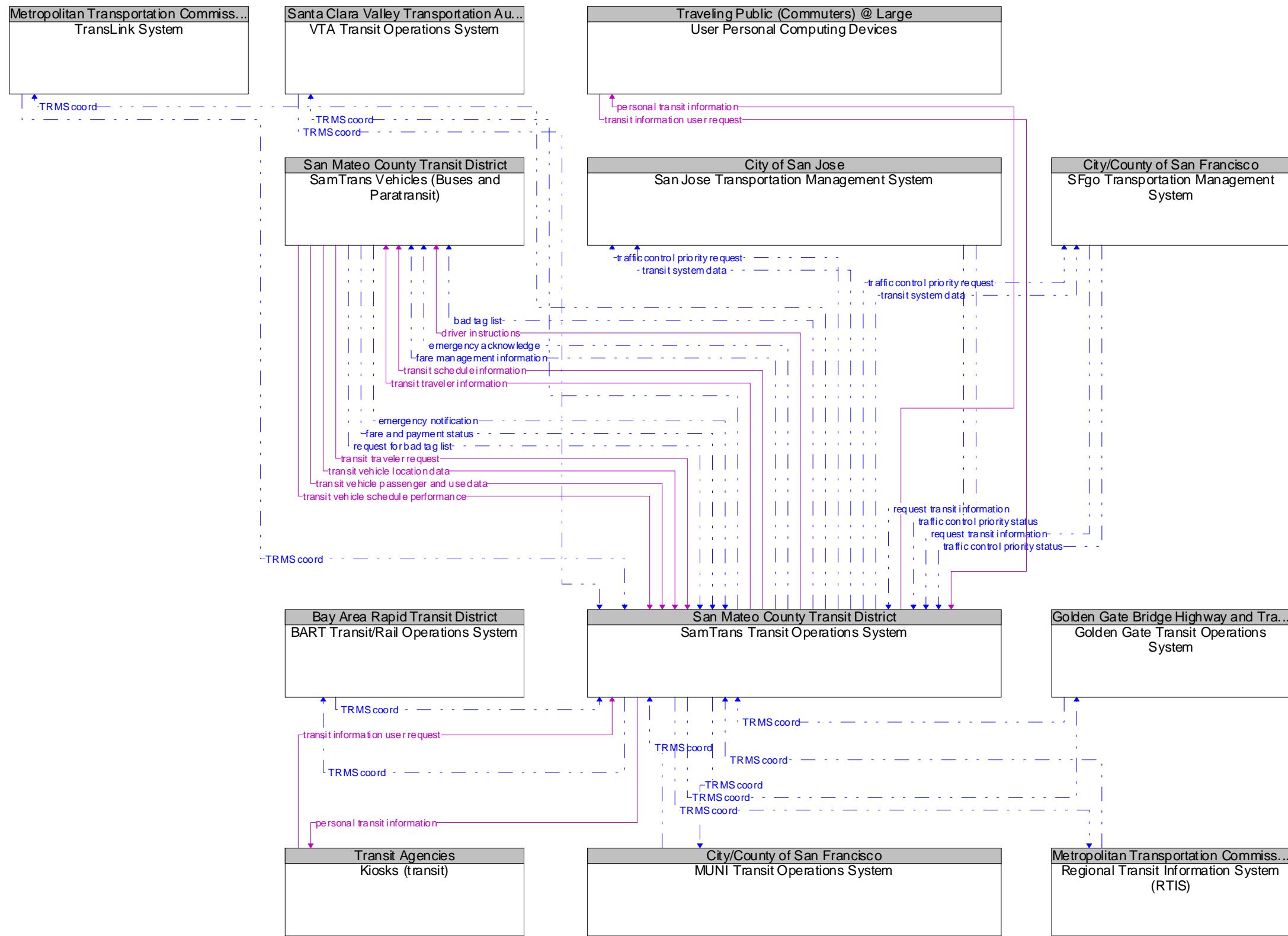


Stakeholder: San Mateo County Transit District
 Architecture Element: SamTrans Transit Operations System
Interconnect Diagram

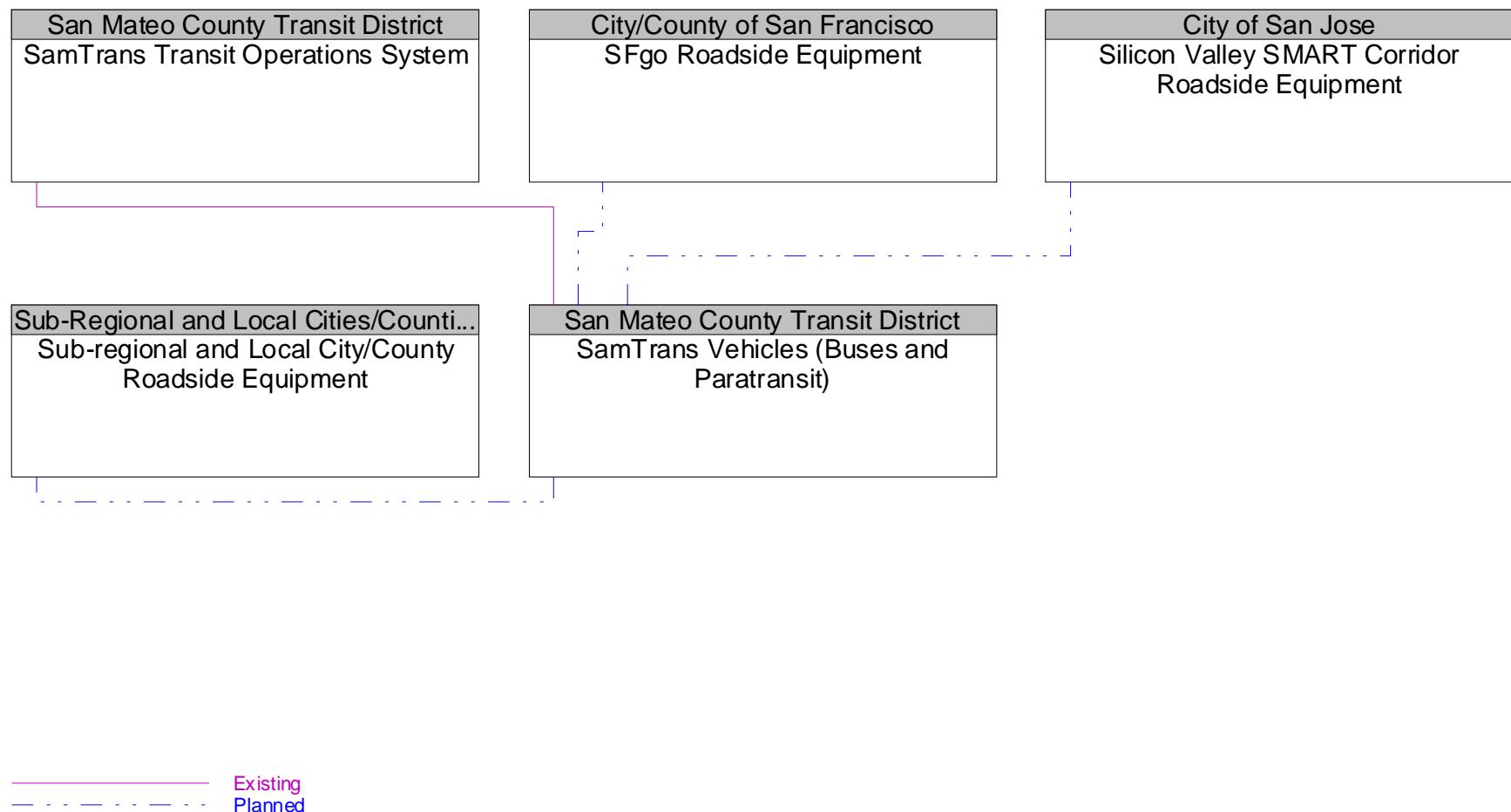


Existing
Planned

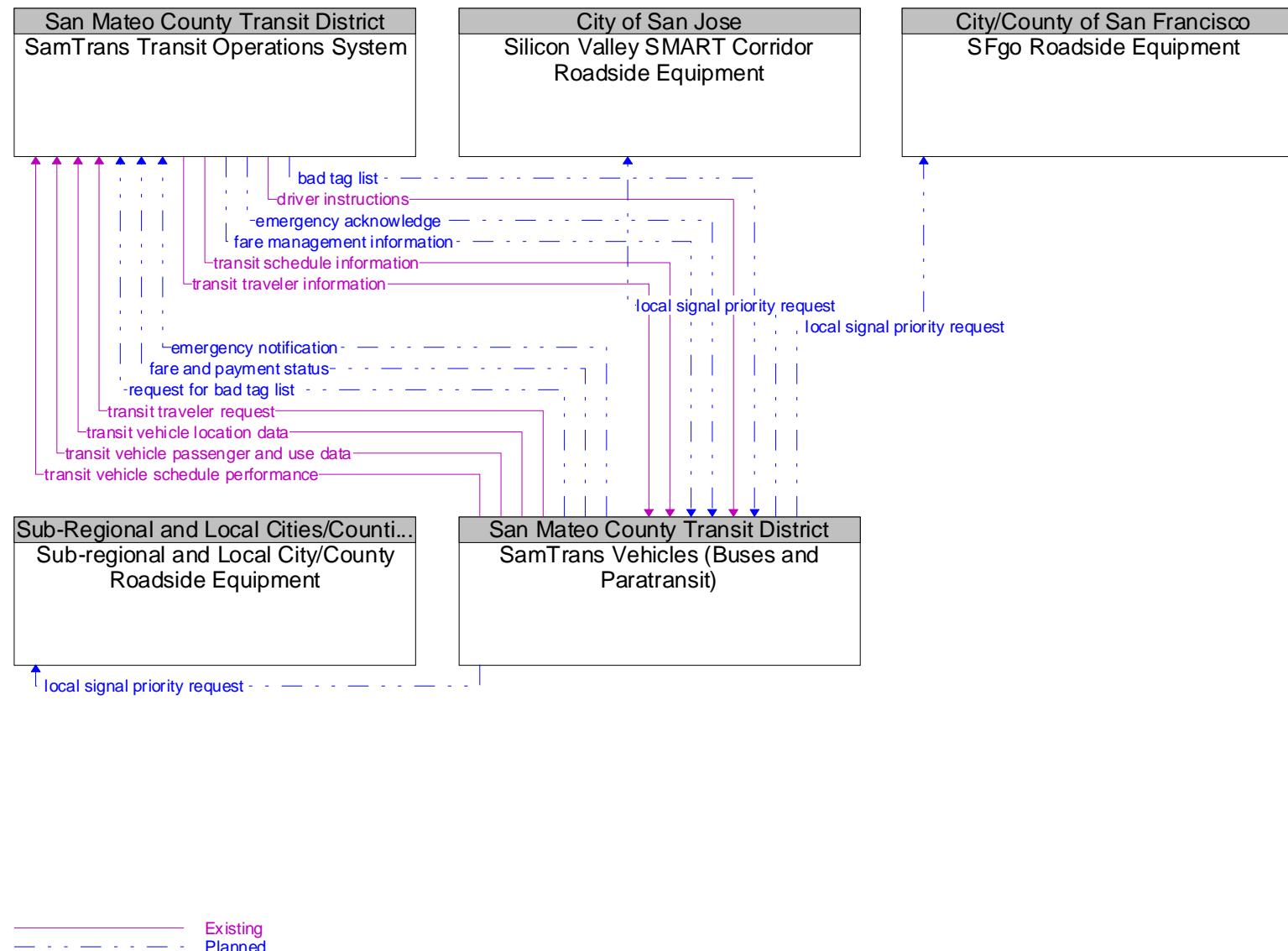
Stakeholder: **San Mateo County Transit District**
 Architecture Element: **SamTrans Transit Operations System**
Information Flows Diagram



Stakeholder: **San Mateo County Transit District**
Architecture Element: **SamTrans Vehicles (Buses and Paratransit)**
Interconnect Diagram

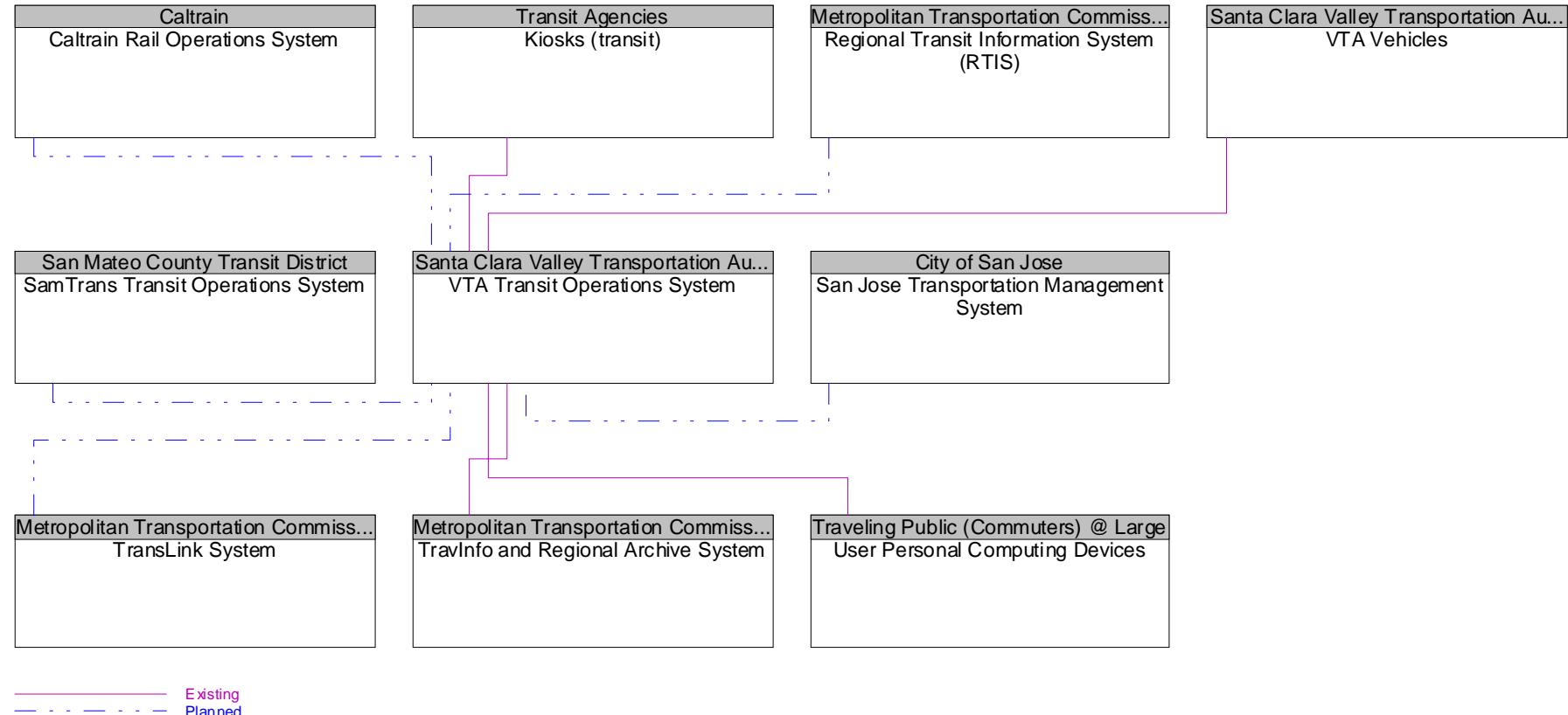


Stakeholder: **San Mateo County Transit District**
 Architecture Element: **SamTrans Vehicles (Buses and Paratransit)**
Information Flows Diagram

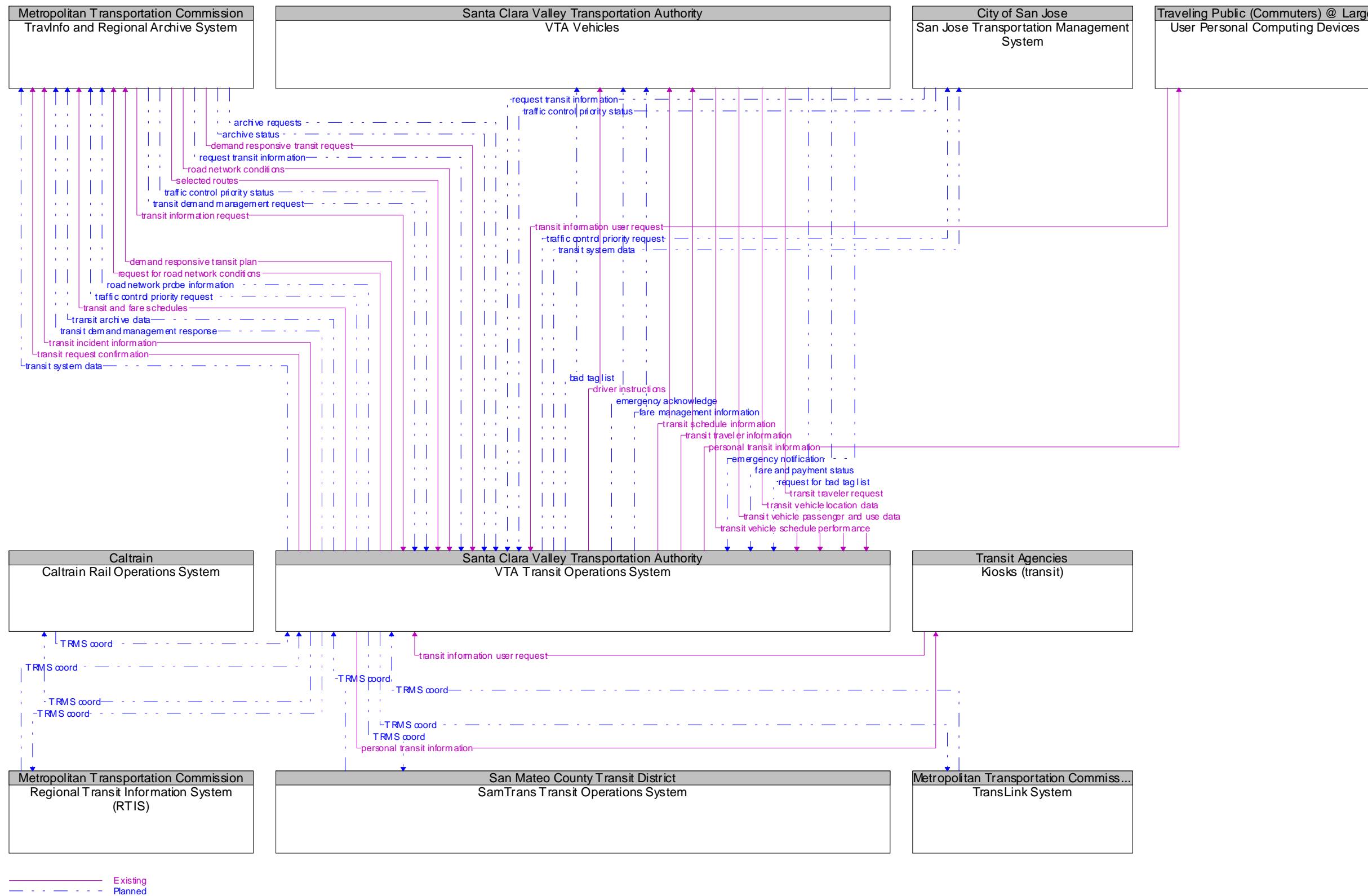


Stakeholder: **Santa Clara Valley Transportation Authority**
Architecture Element: **VTA Transit Operations System**

Interconnect Diagram



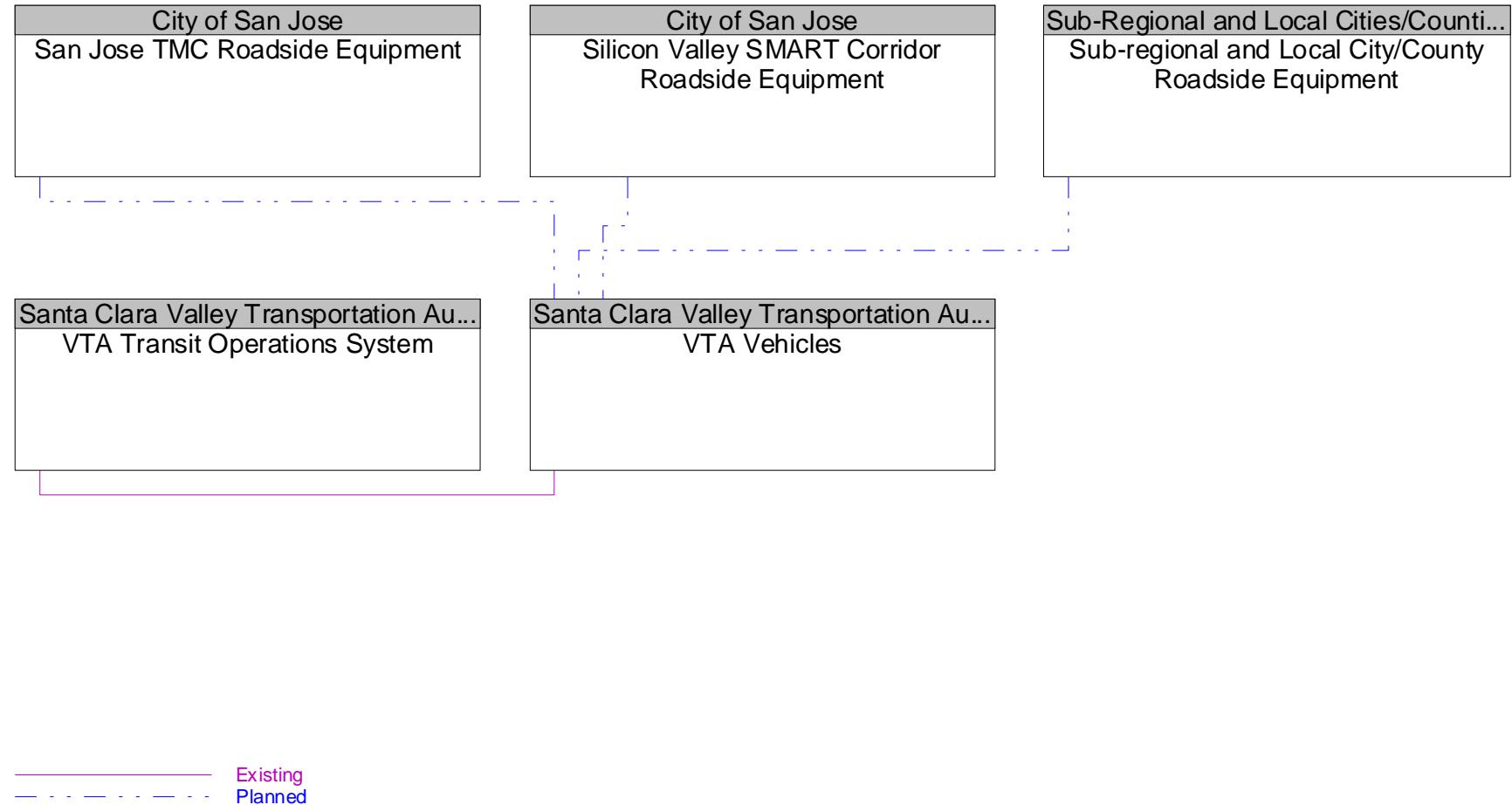
Stakeholder: **Santa Clara Valley Transportation Authority**
 Architecture Element: **VTA Transit Operations System**
Information Flows Diagram



— Existing
 - - - - - Planned

Stakeholder: **Santa Clara Valley Transportation Authority**
Architecture Element: **VTA Vehicles**

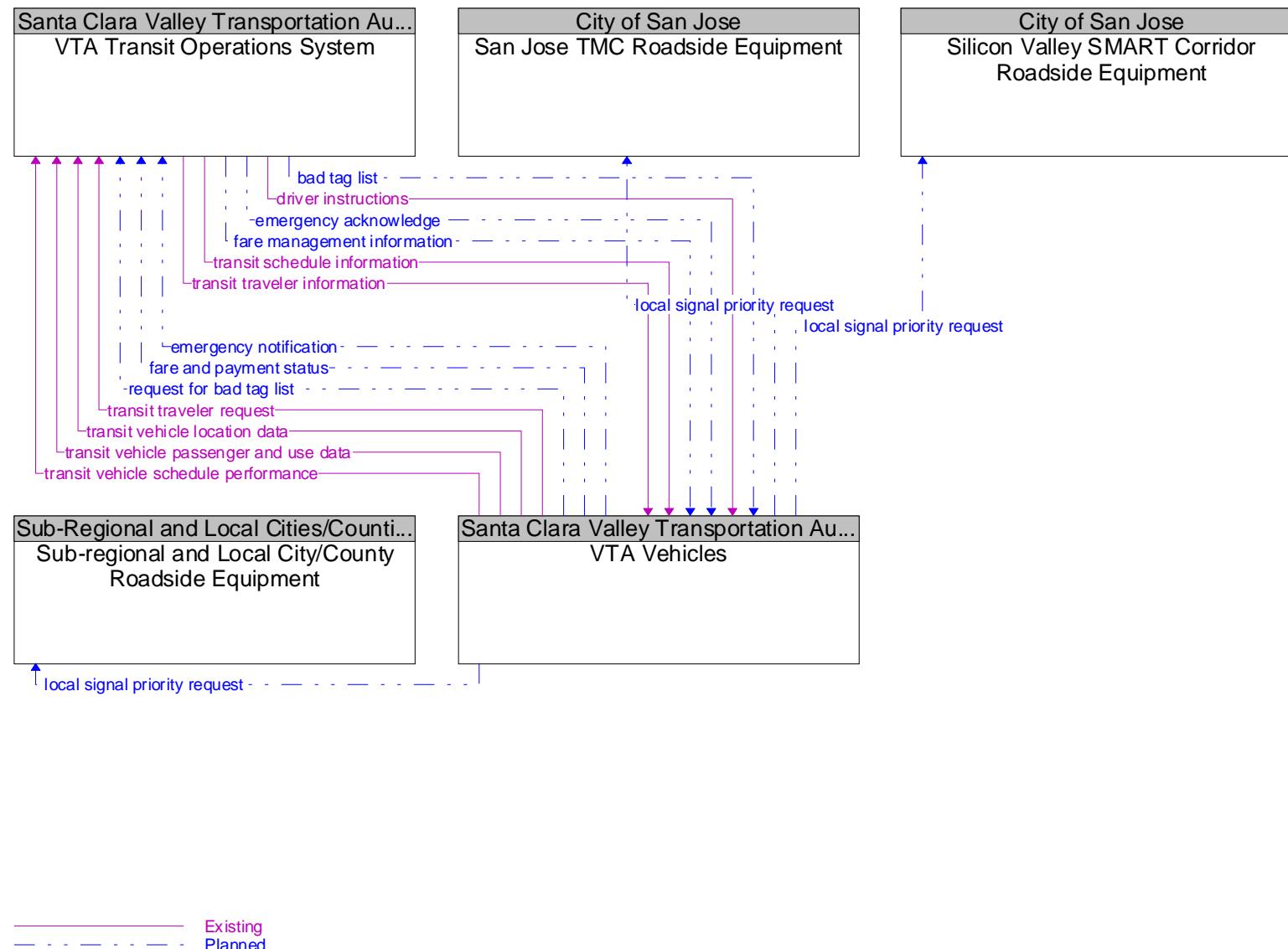
Interconnect Diagram



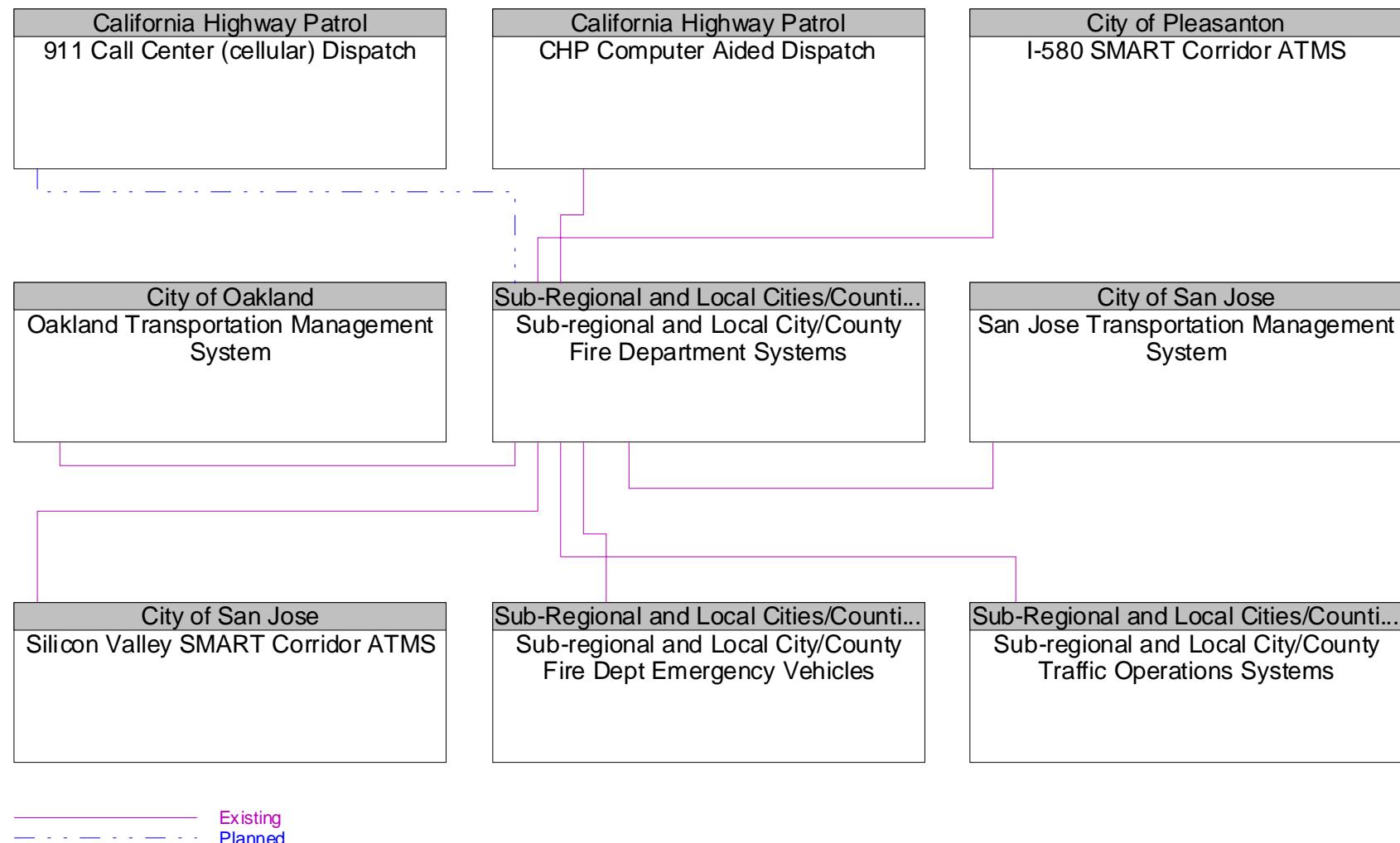
Stakeholder: **Santa Clara Valley Transportation Authority**

Architecture Element: **VTA Vehicles**

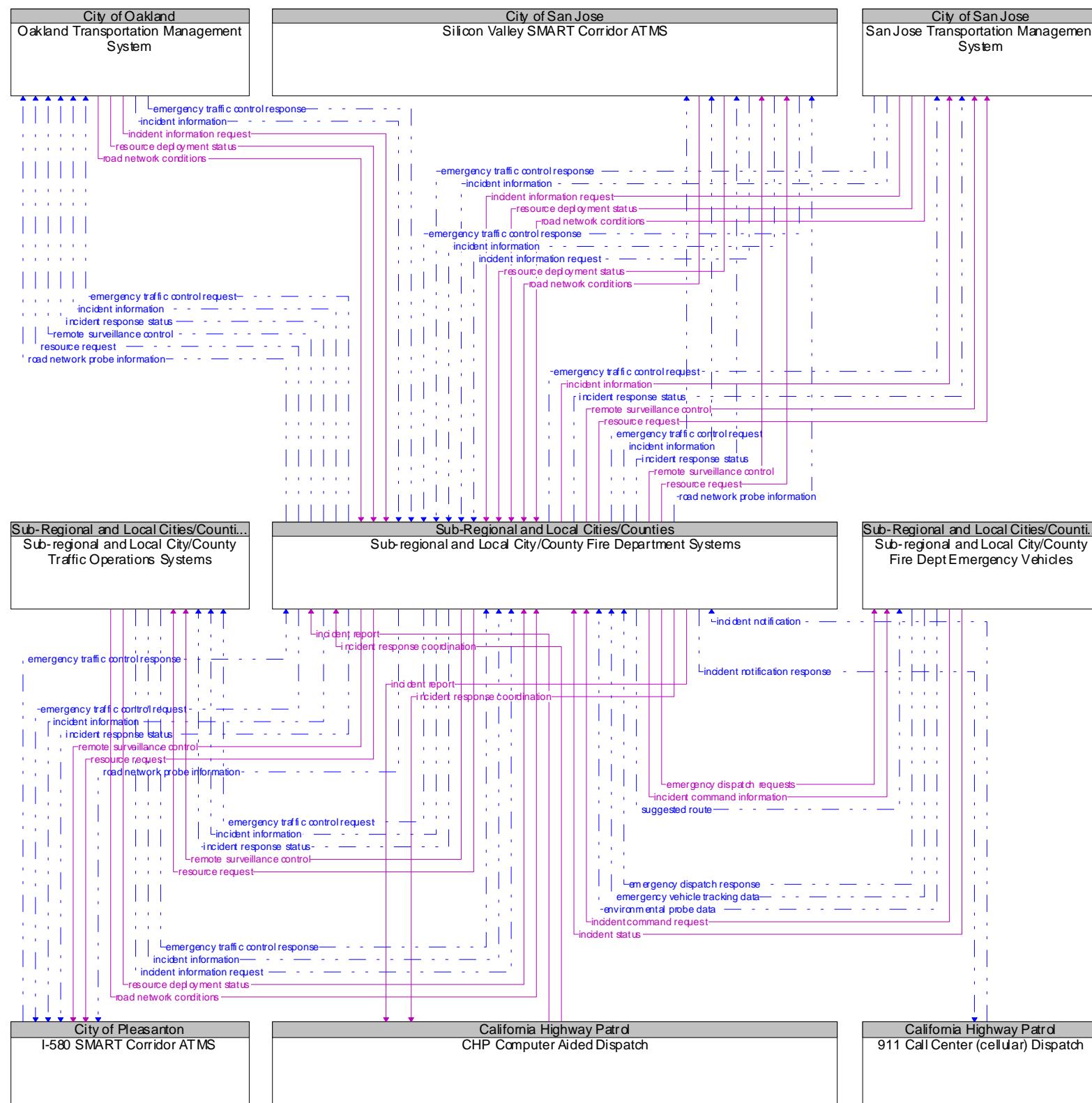
Information Flows Diagram



Stakeholder: **Sub-Regional and Local Cities/Counties**
Architecture Element: **Sub-regional and Local City/County Fire Department Systems**
Interconnect Diagram



Stakeholder: **Sub-Regional and Local Cities/Counties**
 Architecture Element: **Sub-regional and Local City/County Fire Department Systems**
Information Flows Diagram

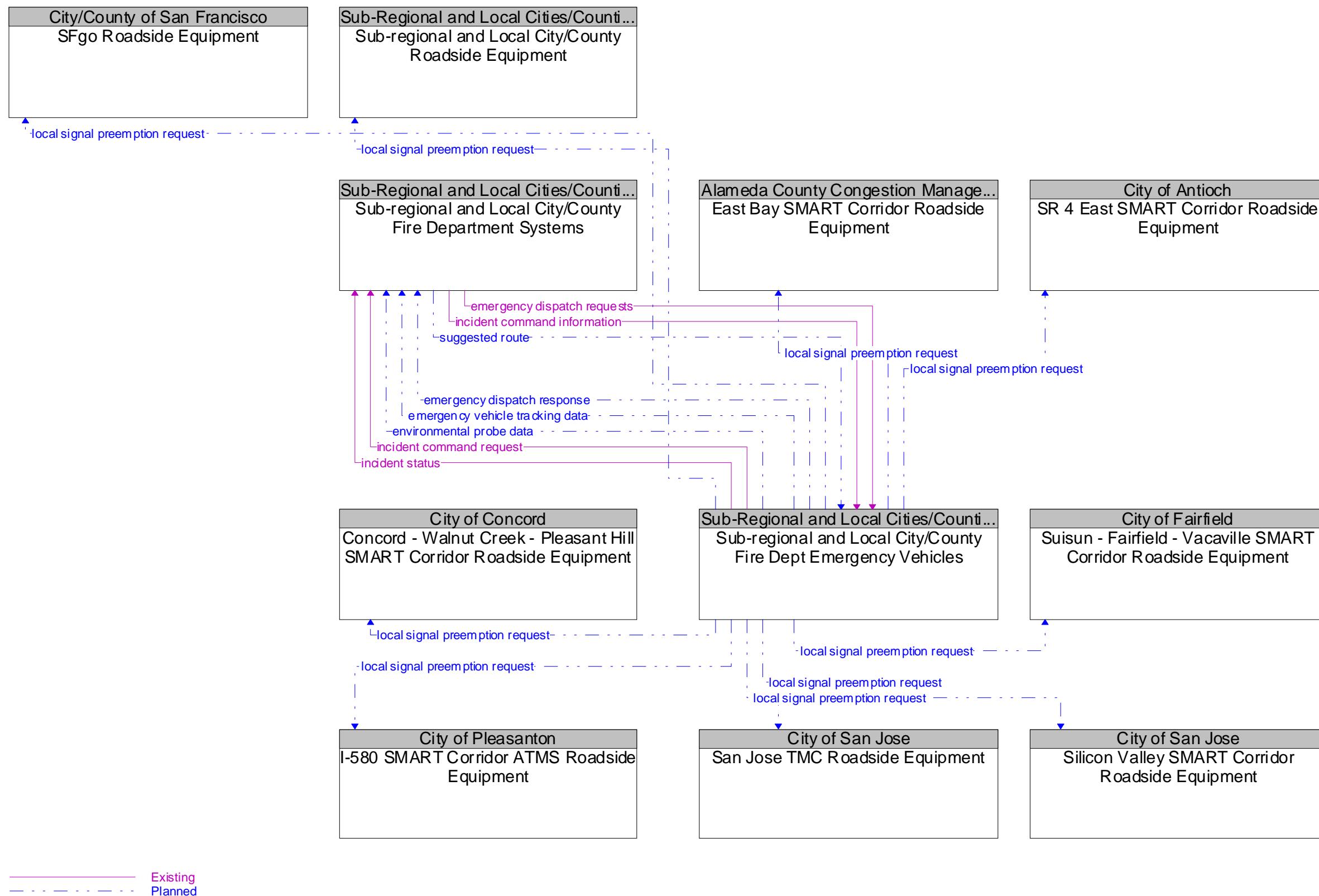


— Existing
 - - - - - Planned

Stakeholder: **Sub-Regional and Local Cities/Counties**
 Architecture Element: **Sub-regional and Local City/County Fire Dept Emergency Vehicles**
Interconnect Diagram

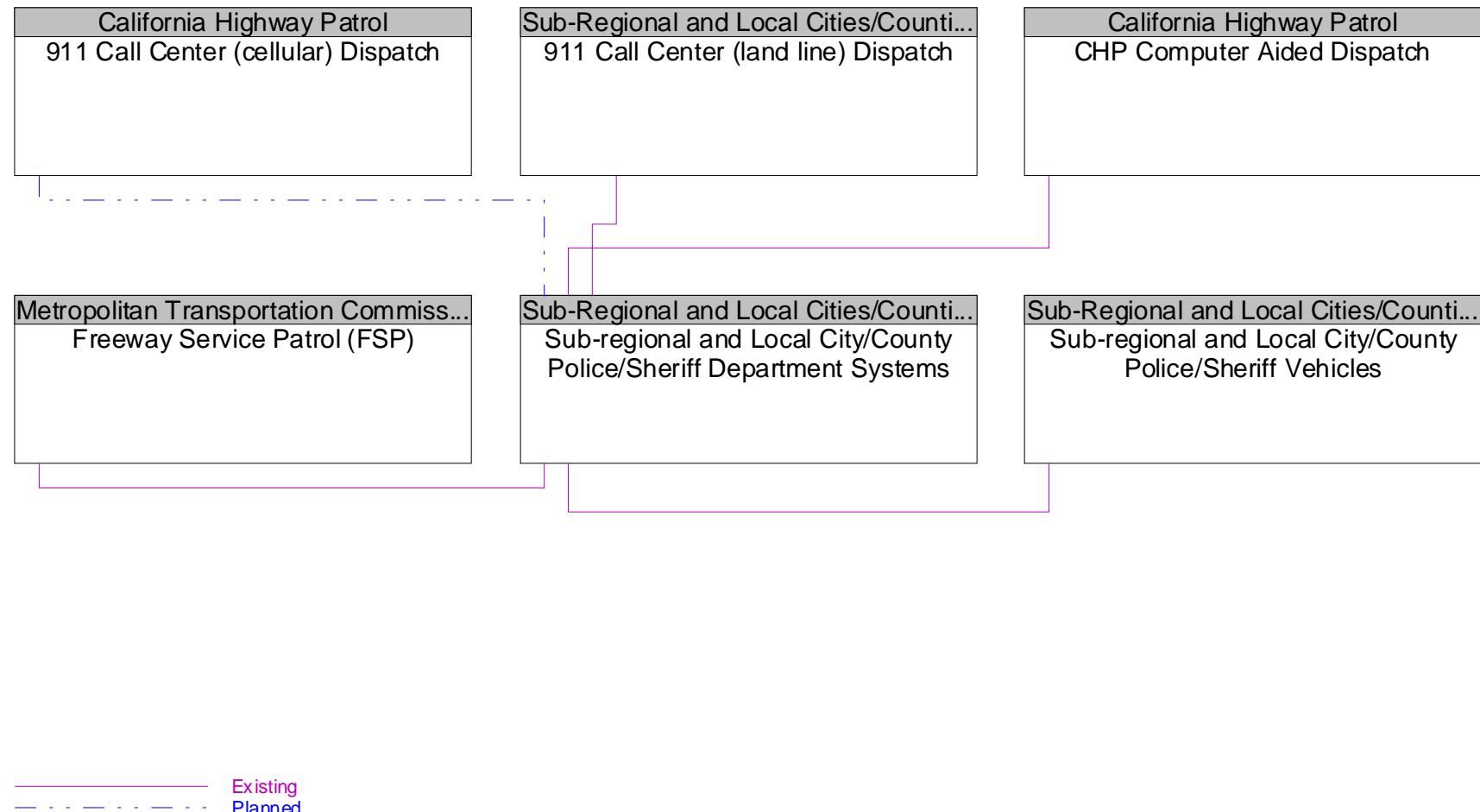


Stakeholder: Sub-Regional and Local Cities/Counties
 Architecture Element: Sub-regional and Local City/County Fire Dept Emergency Vehicles
Information Flows Diagram



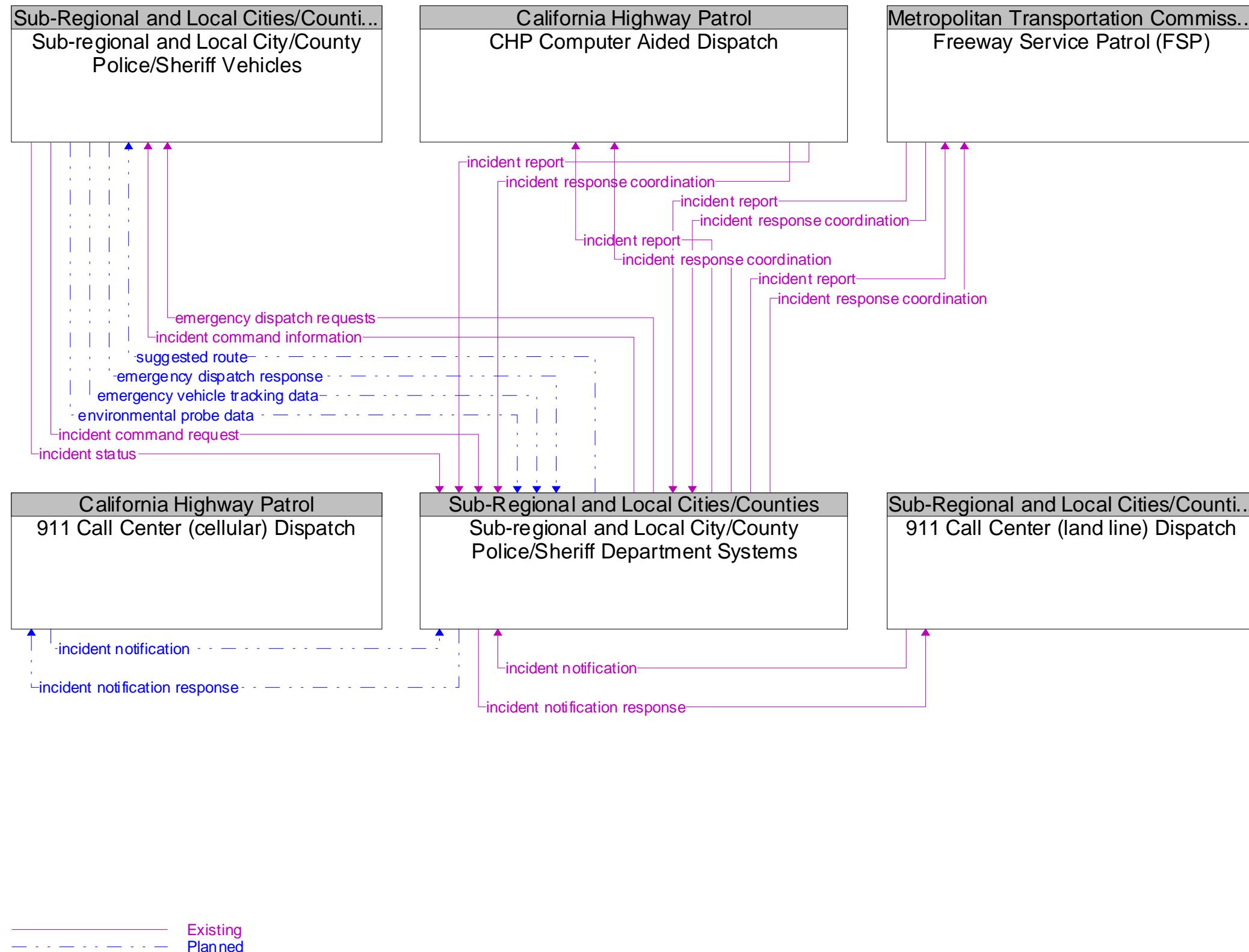
Stakeholder: **Sub-Regional and Local Cities/Counties**
Architecture Element: **Sub-regional and Local City/County Police/Sheriff Department Systems**

Interconnect Diagram

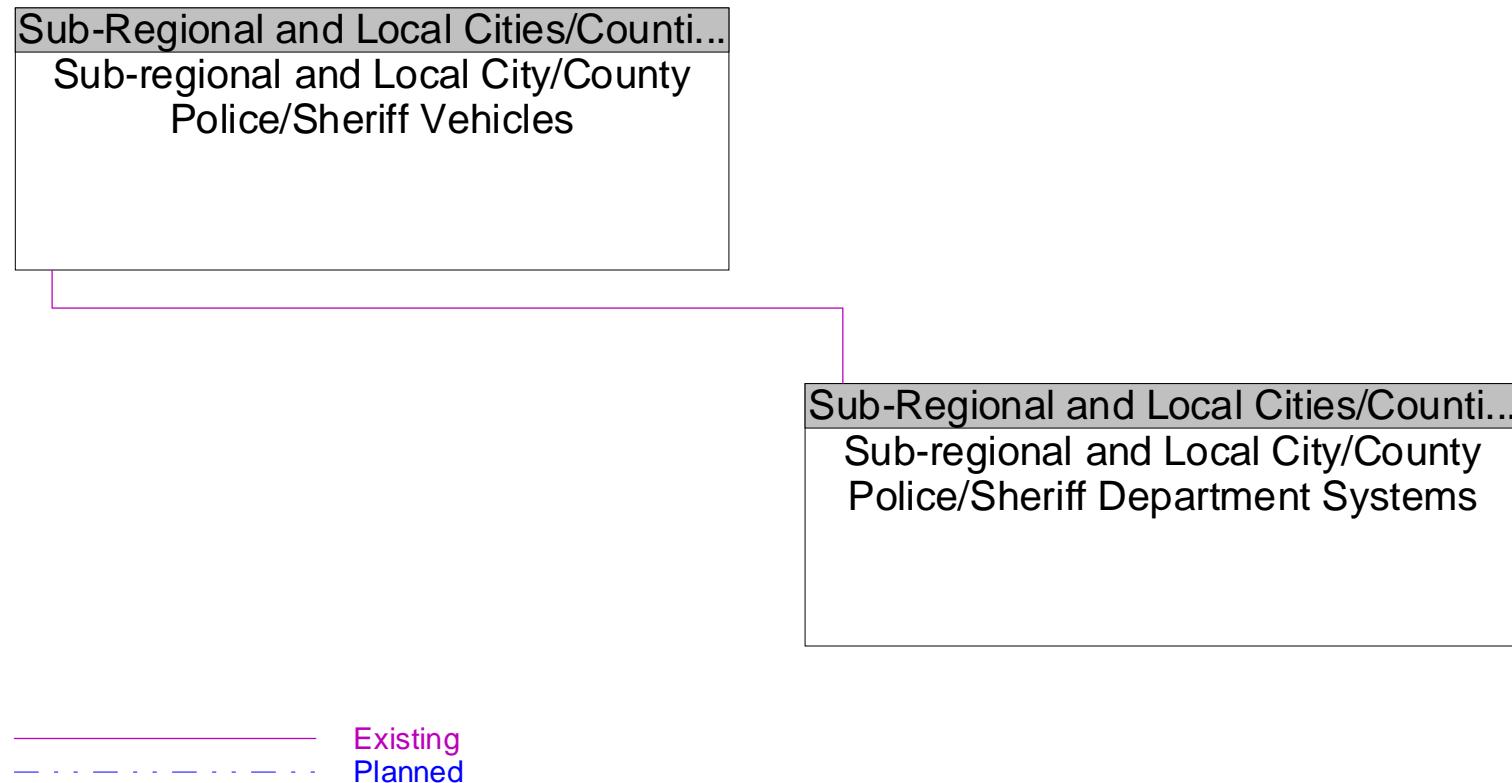


Stakeholder: Sub-Regional and Local Cities/Counties
 Architecture Element: Sub-regional and Local City/County Police/Sheriff Department Systems

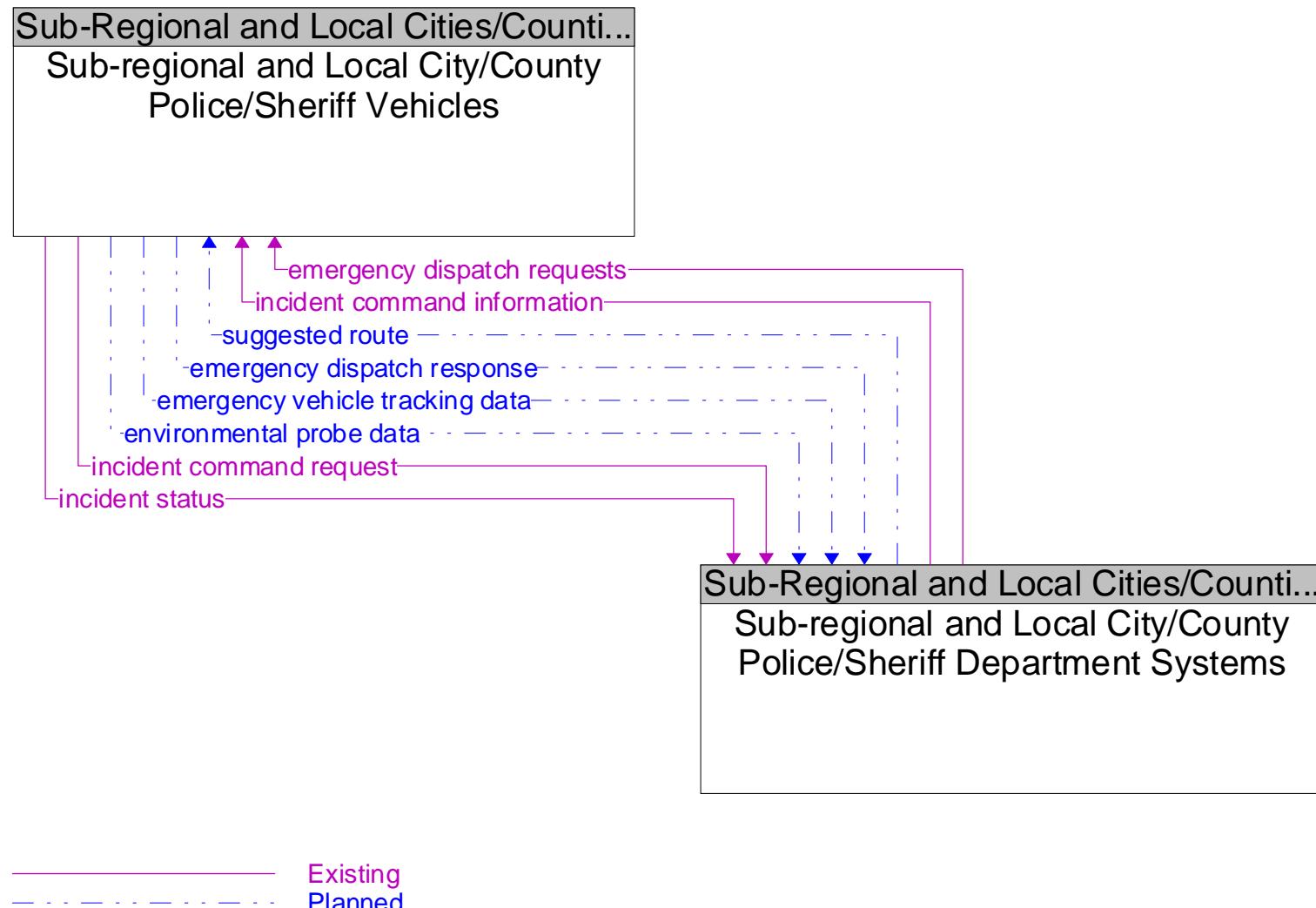
Information Flows Diagram



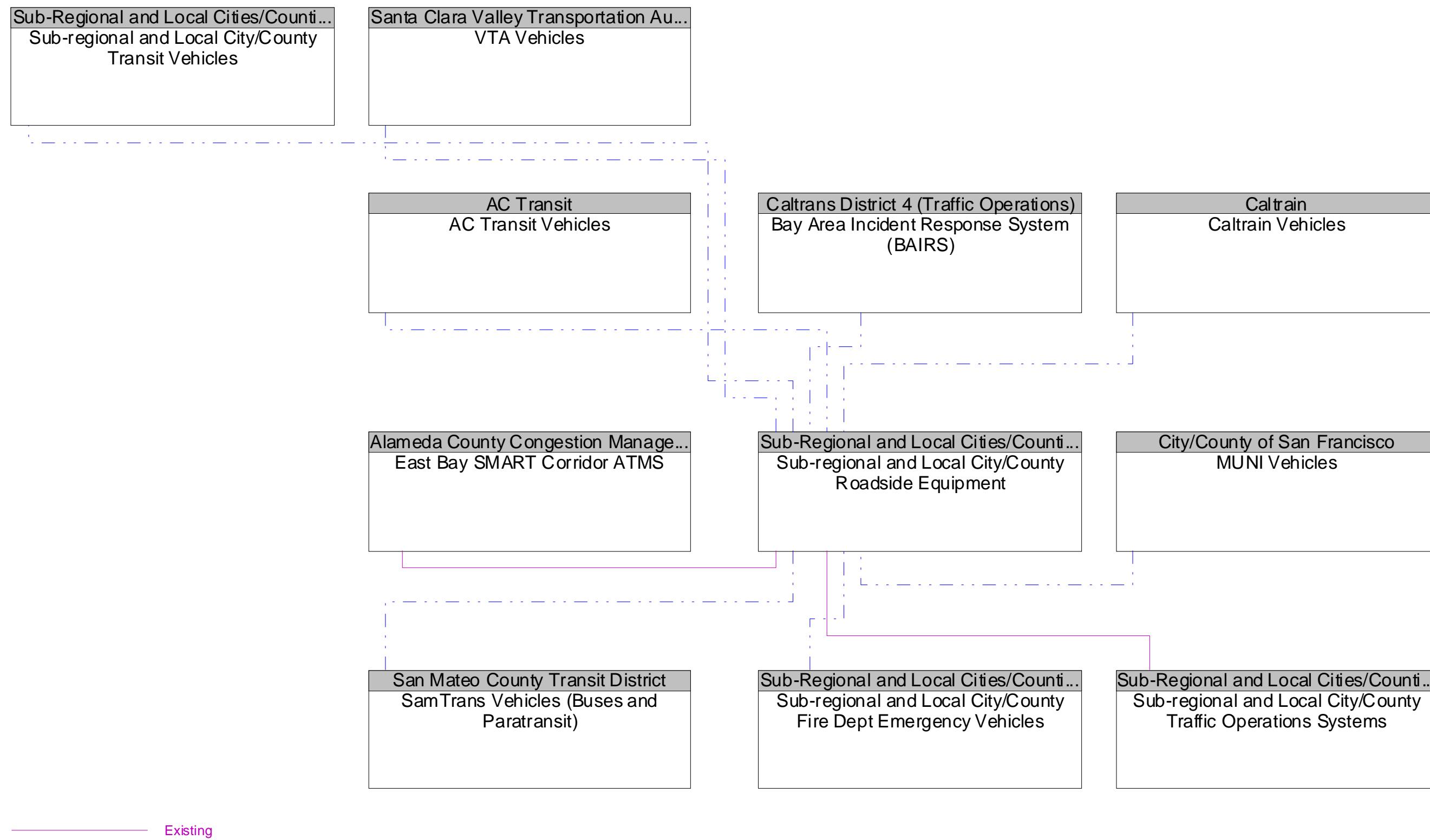
Stakeholder: **Sub-Regional and Local Cities/Counties**
Architecture Element: **Sub-regional and Local City/County Police/Sheriff Vehicles**
Interconnect Diagram



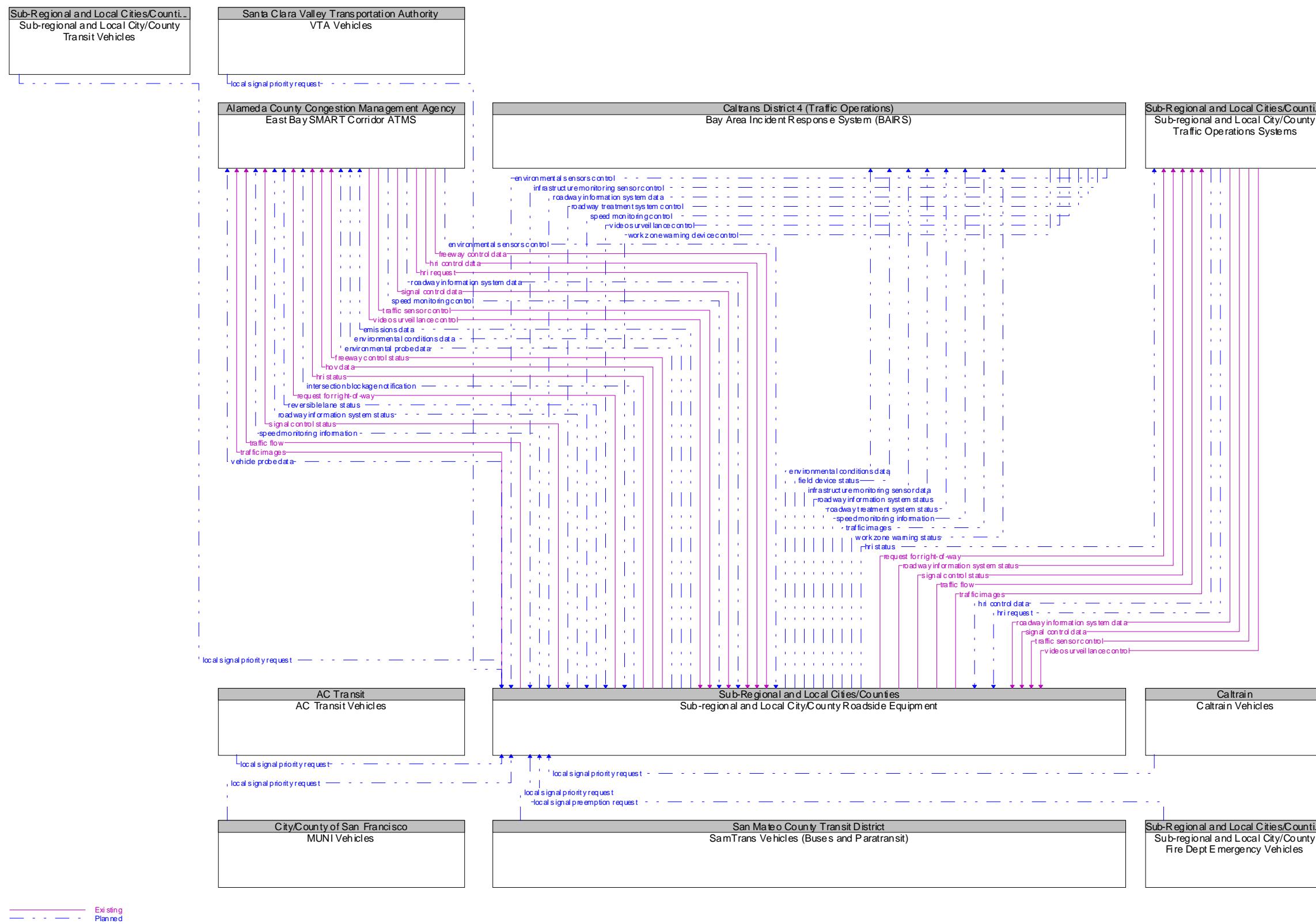
Stakeholder: Sub-Regional and Local Cities/Counties
Architecture Element: Sub-regional and Local City/County Police/Sheriff Vehicles
Information Flows Diagram



Stakeholder: Sub-Regional and Local Cities/Counties
 Architecture Element: Sub-regional and Local City/County Roadside Equipment
Interconnect Diagram



Stakeholder: **Sub-Regional and Local Cities/Counties**
 Architecture Element: **Sub-regional and Local City/County Roadside Equipment**
Information Flows Diagram

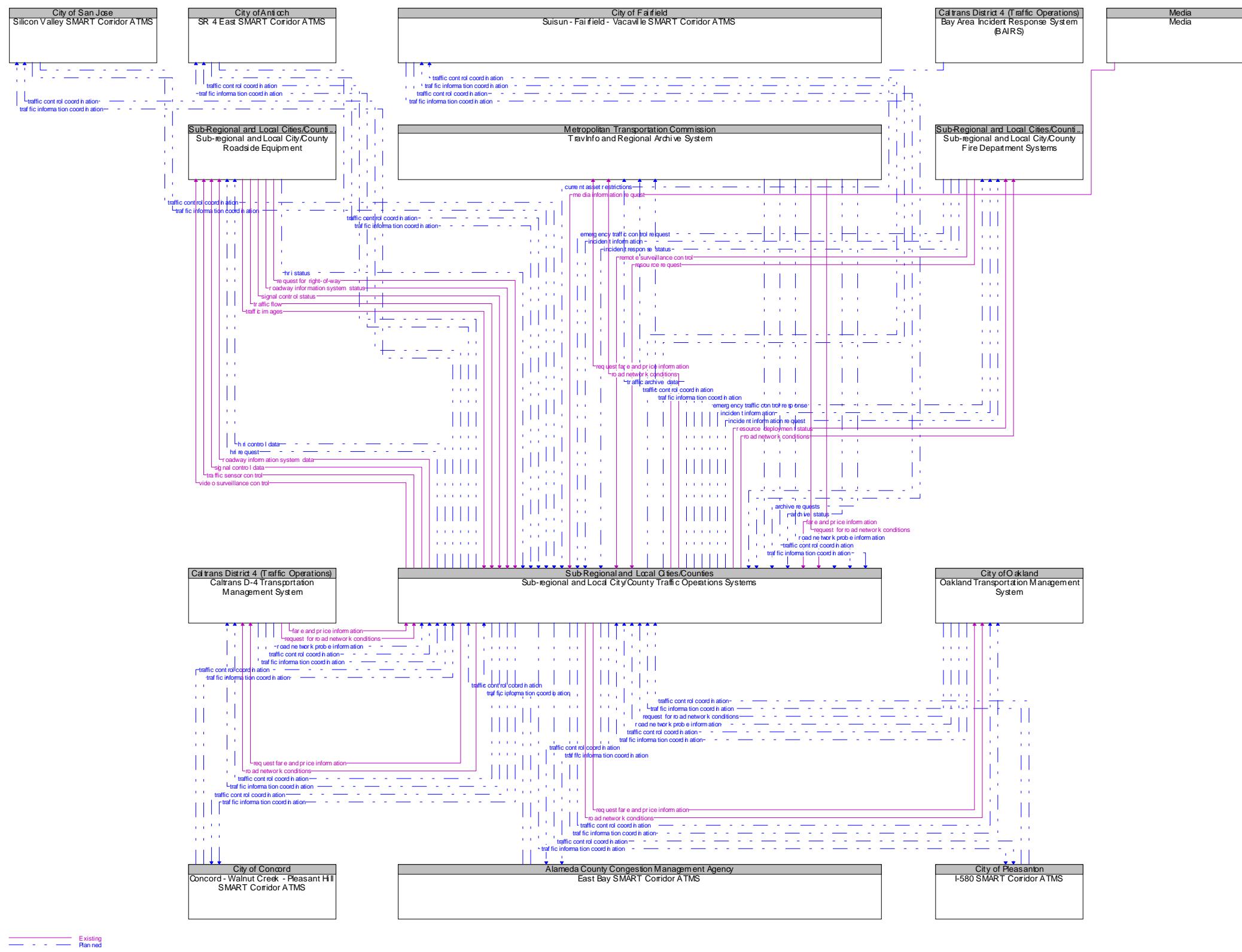


Existing
Planned

Stakeholder: **Sub-Regional and Local Cities/Counties**
 Architecture Element: **Sub-regional and Local City/County Traffic Operations Systems**
Interconnect Diagram

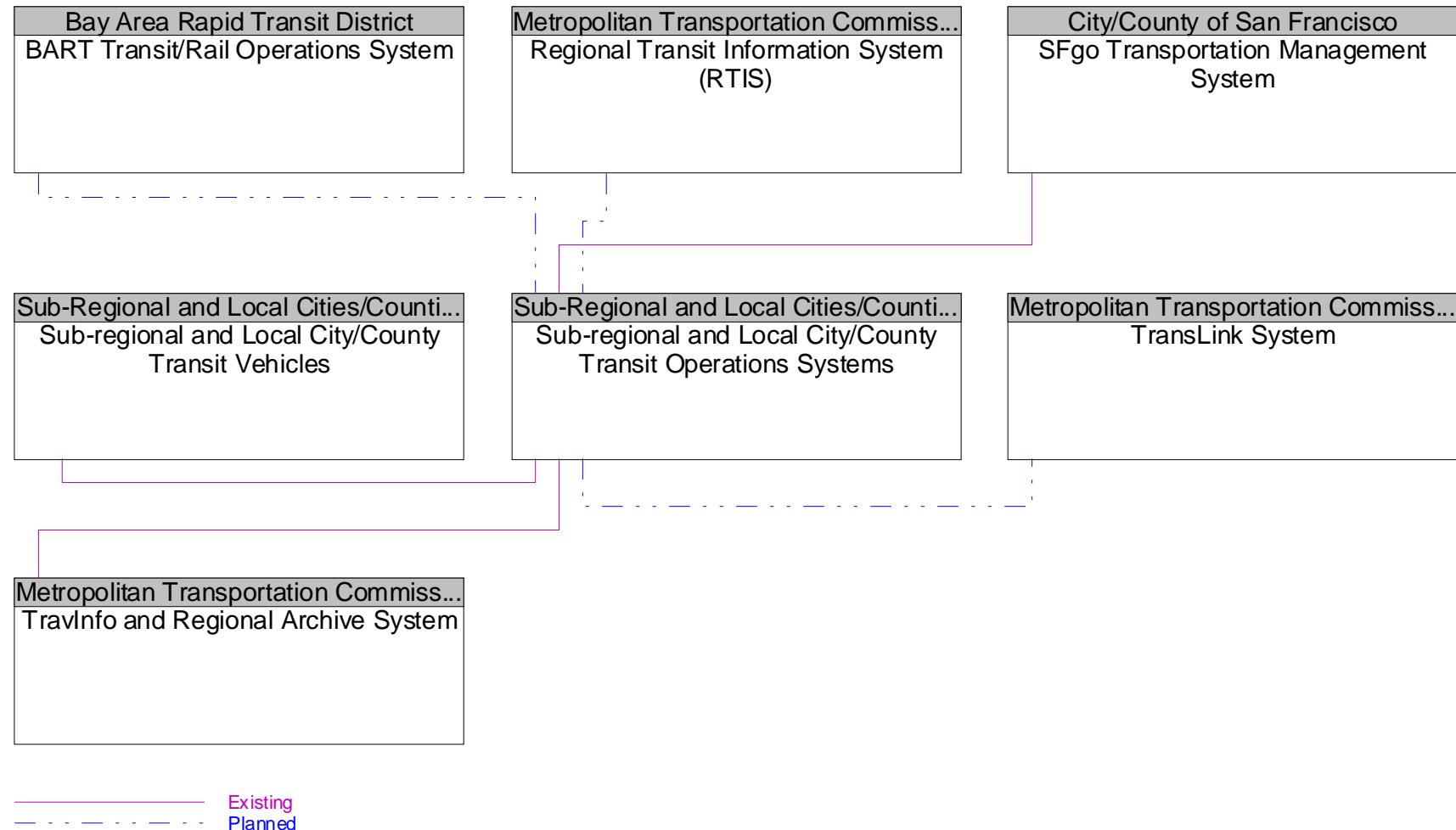


Stakeholder: **Sub-Regional and Local Cities/Counties**
 Architecture Element: **Sub-regional and Local City/County Traffic Operations Systems**
Information Flows Diagram

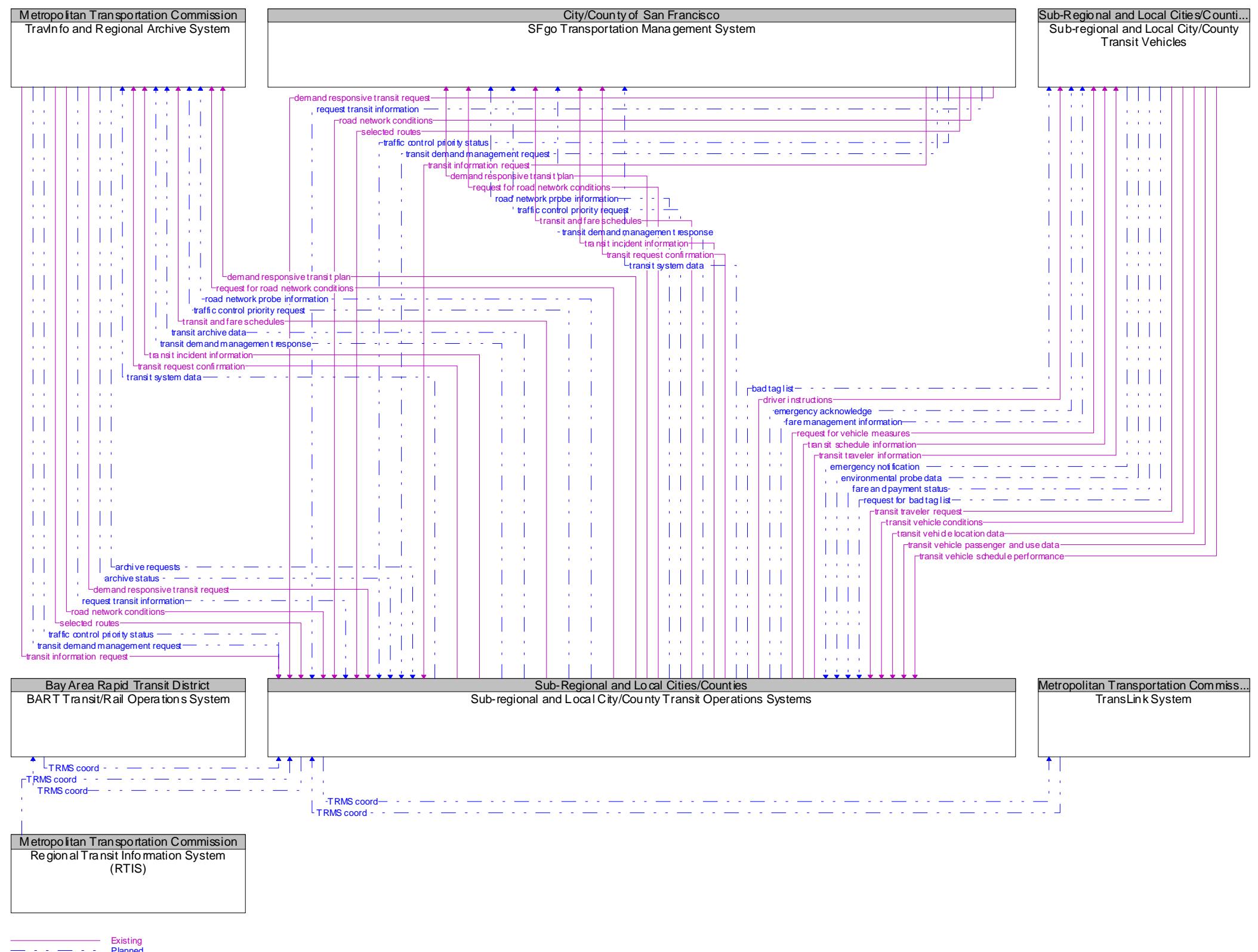


— Existing
 — Planned

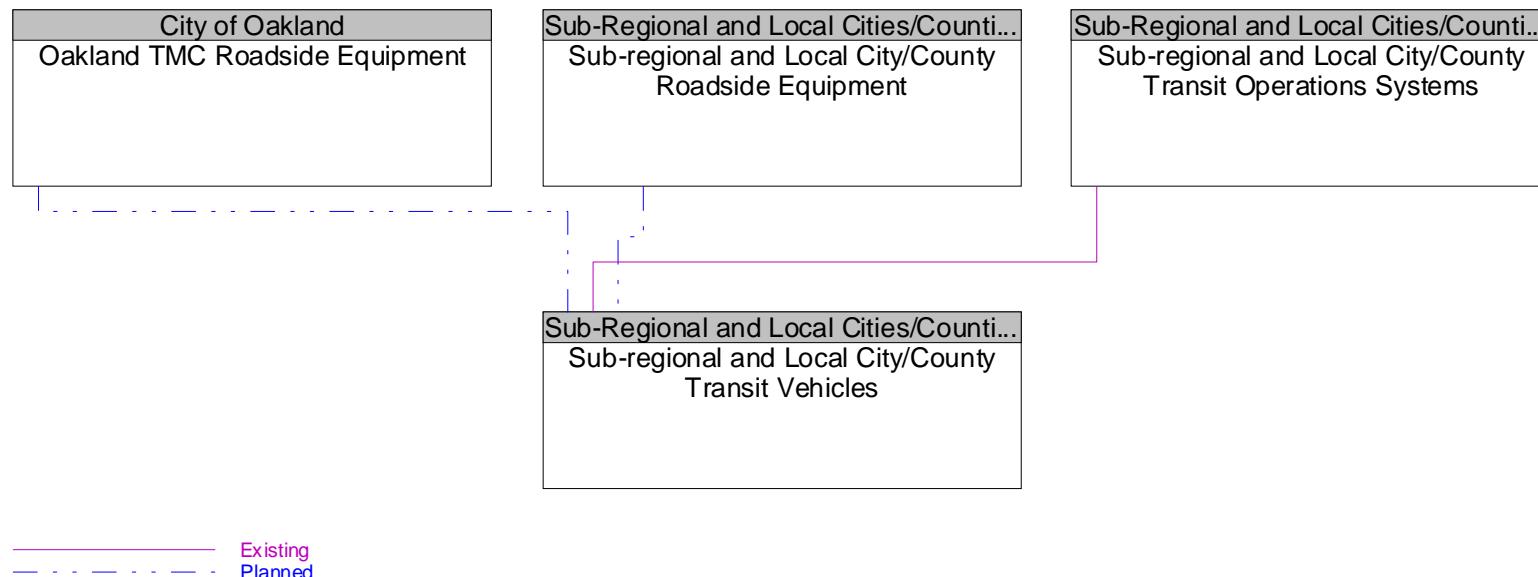
Stakeholder: **Sub-Regional and Local Cities/Counties**
 Architecture Element: **Sub-regional and Local City/County Transit Operations Systems**
Interconnect Diagram



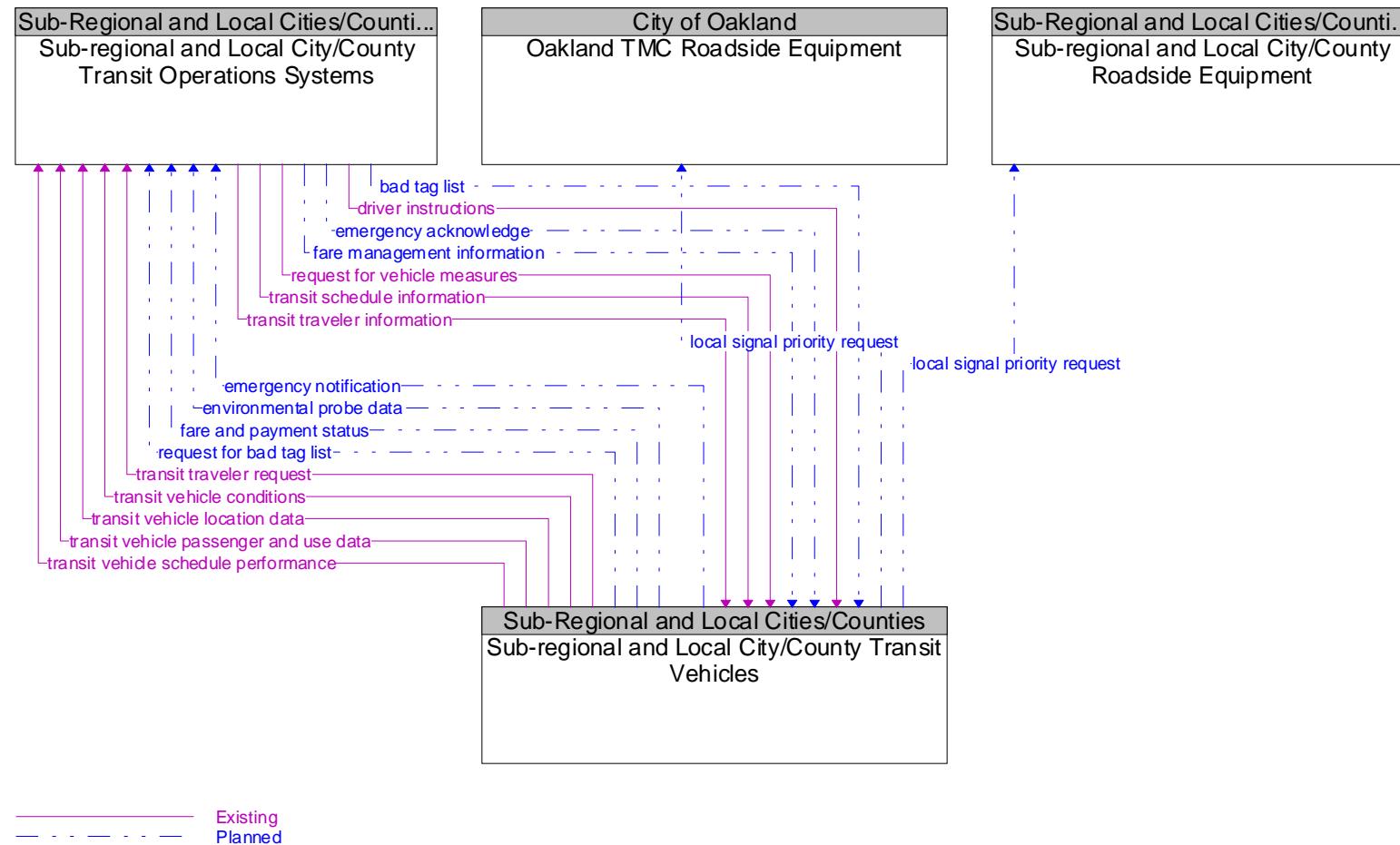
Stakeholder: **Sub-Regional and Local Cities/Counties**
 Architecture Element: **Sub-regional and Local City/County Transit Operations Systems**
Information Flows Diagram



Stakeholder: **Sub-Regional and Local Cities/Counties**
Architecture Element: **Sub-regional and Local City/County Transit Vehicles**
Interconnect Diagram



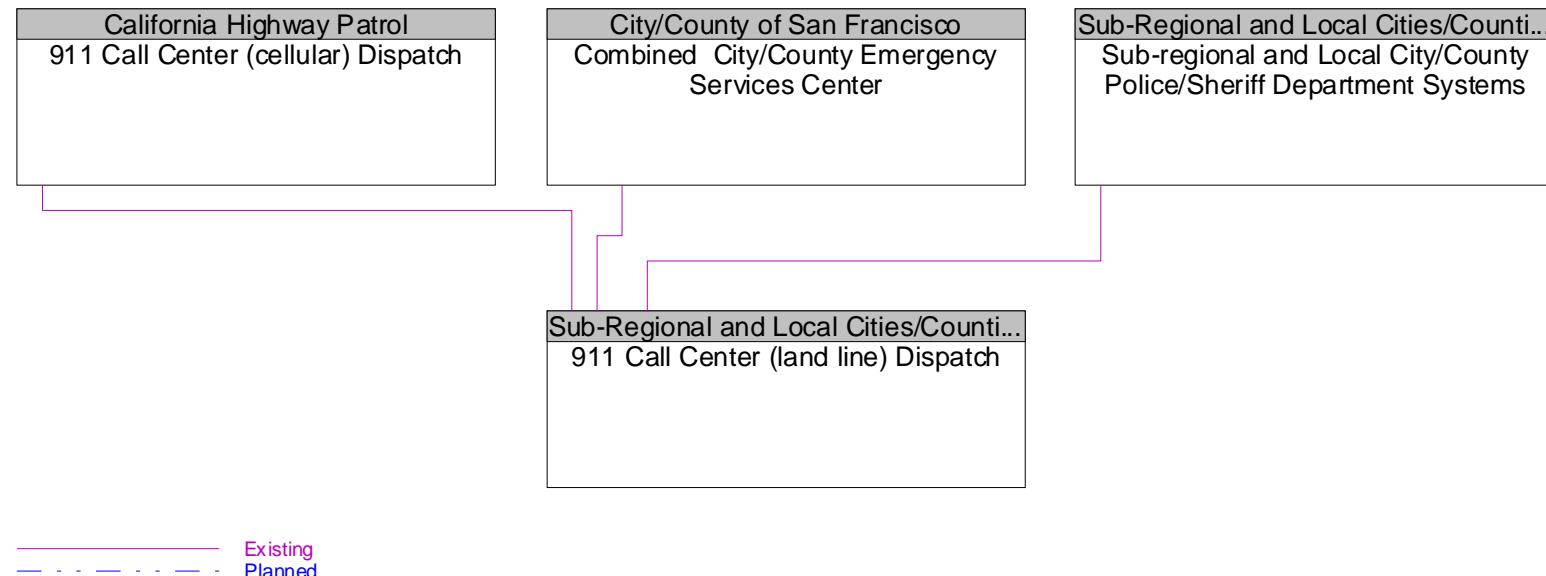
Stakeholder: **Sub-Regional and Local Cities/Counties**
 Architecture Element: **Sub-regional and Local City/County Transit Vehicles**
Information Flows Diagram



Stakeholder: **Sub-Regional and Local Cities/Counties**

Architecture Element: **911 Call Center (land line) Dispatch**

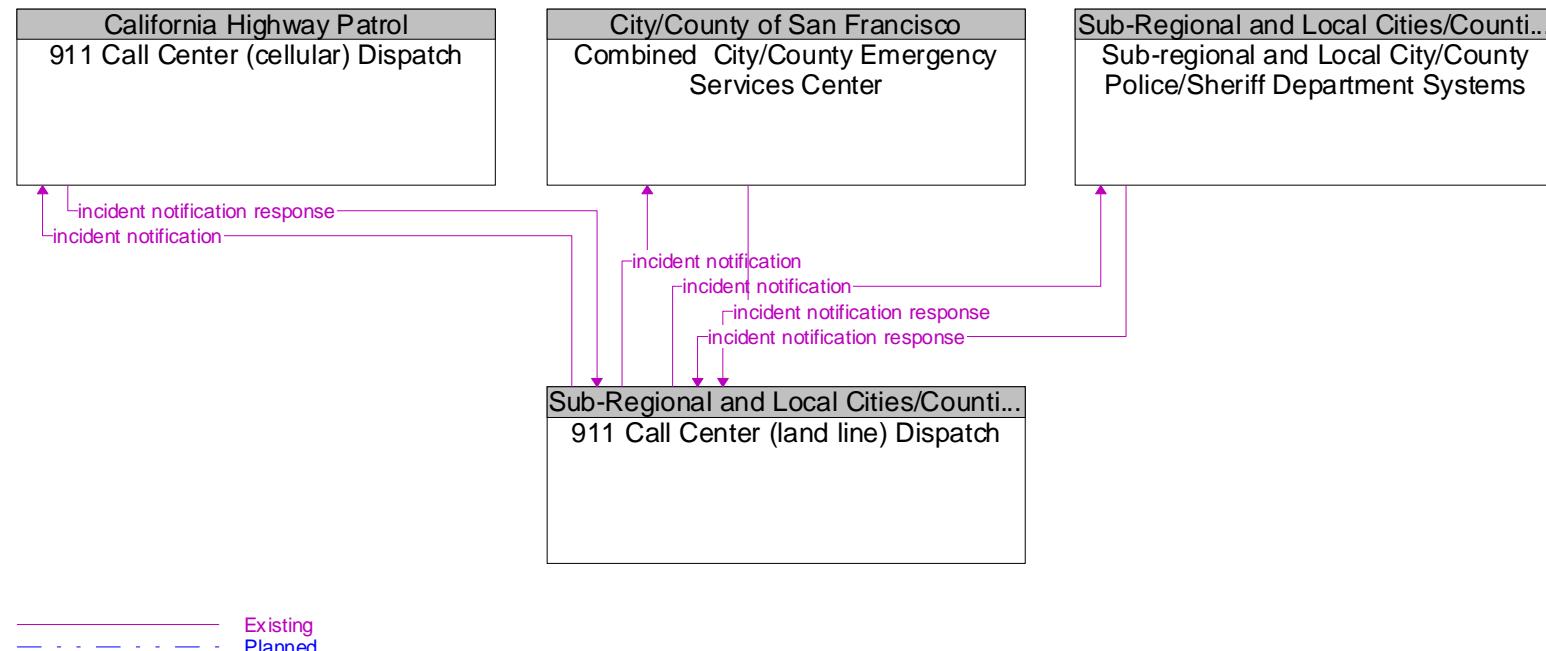
Interconnect Diagram



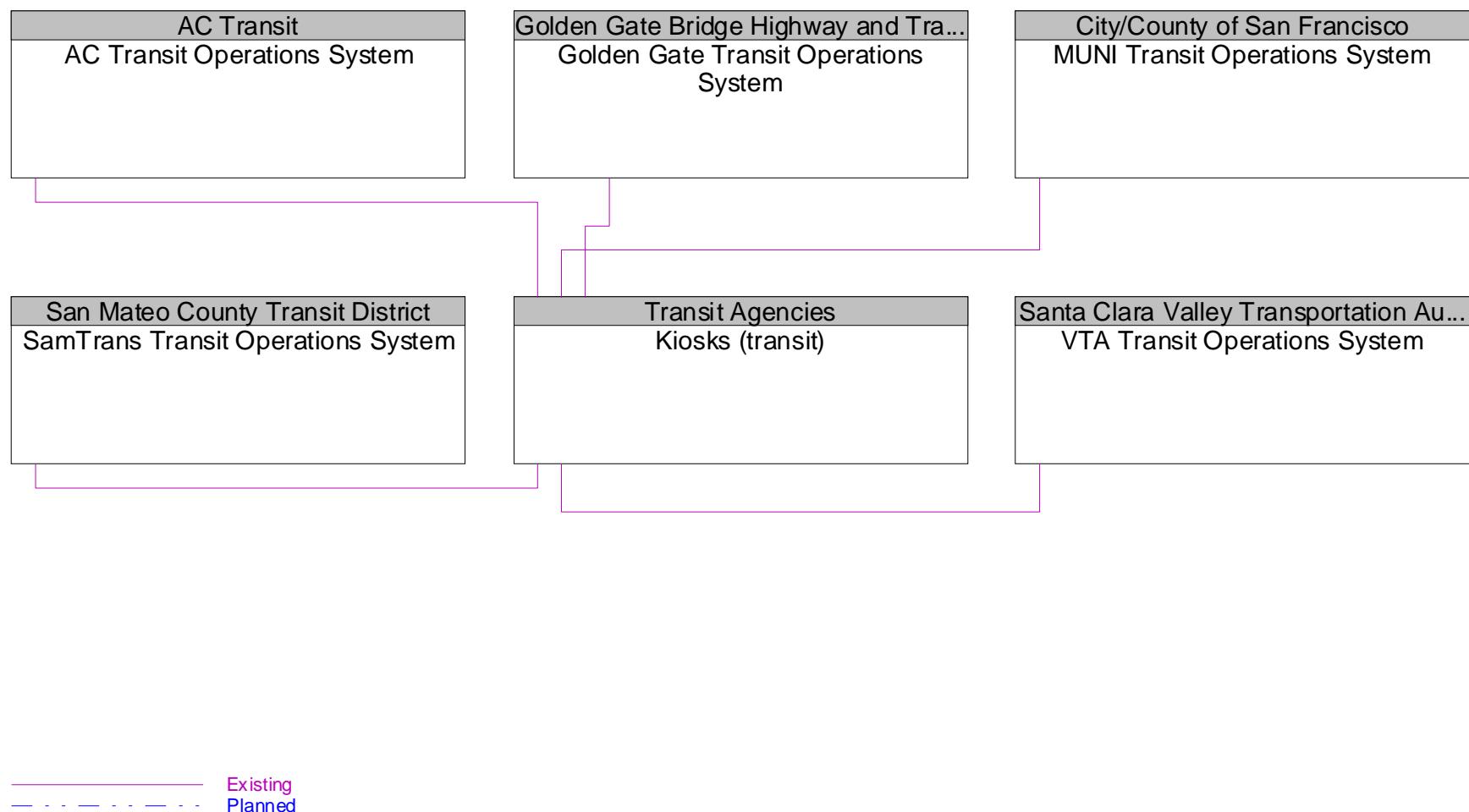
Stakeholder: **Sub-Regional and Local Cities/Counties**

Architecture Element: **911 Call Center (land line) Dispatch**

Information Flows Diagram



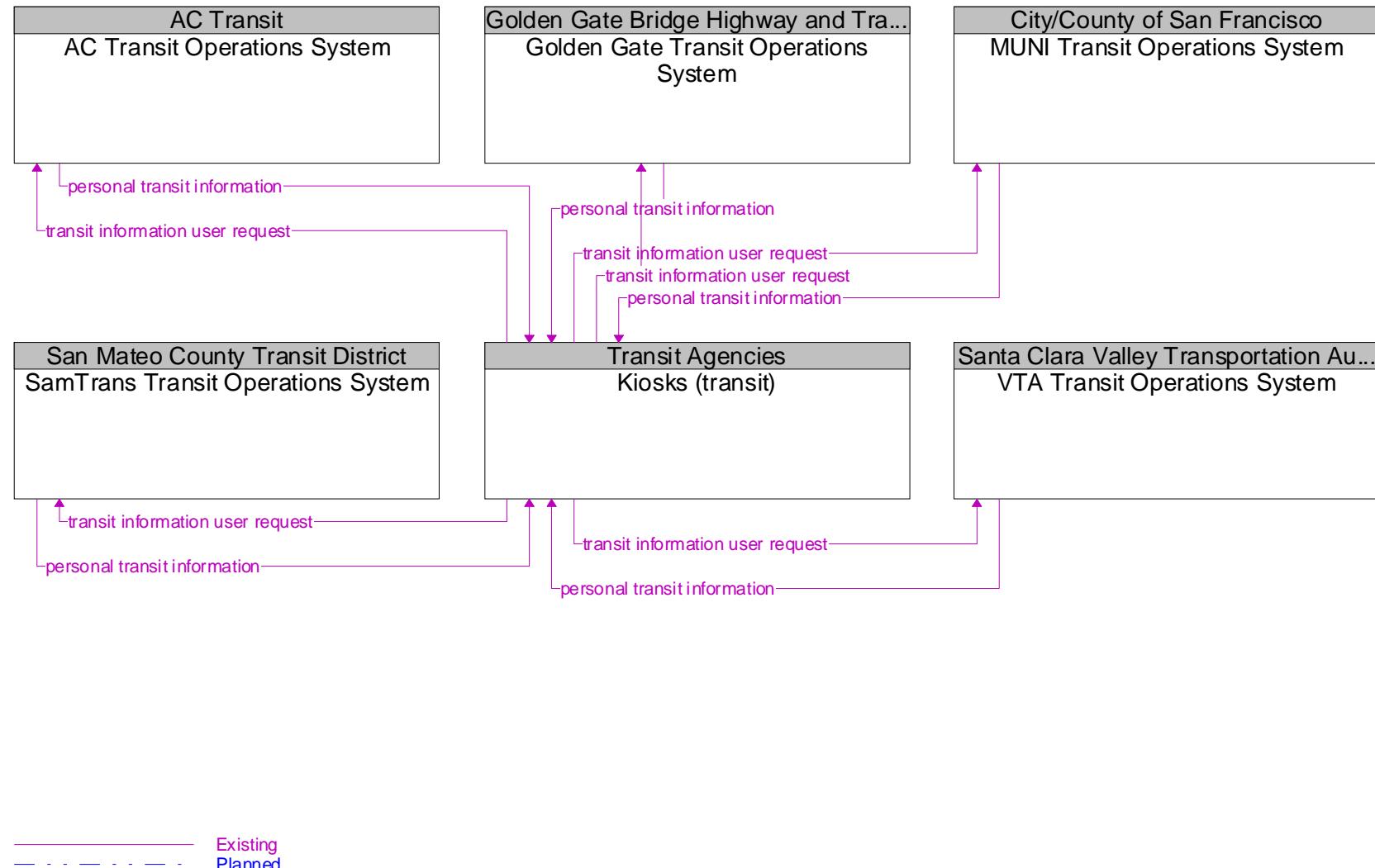
Stakeholder: **Transit Agencies**
Architecture Element: **Kiosks (transit)**
Interconnect Diagram



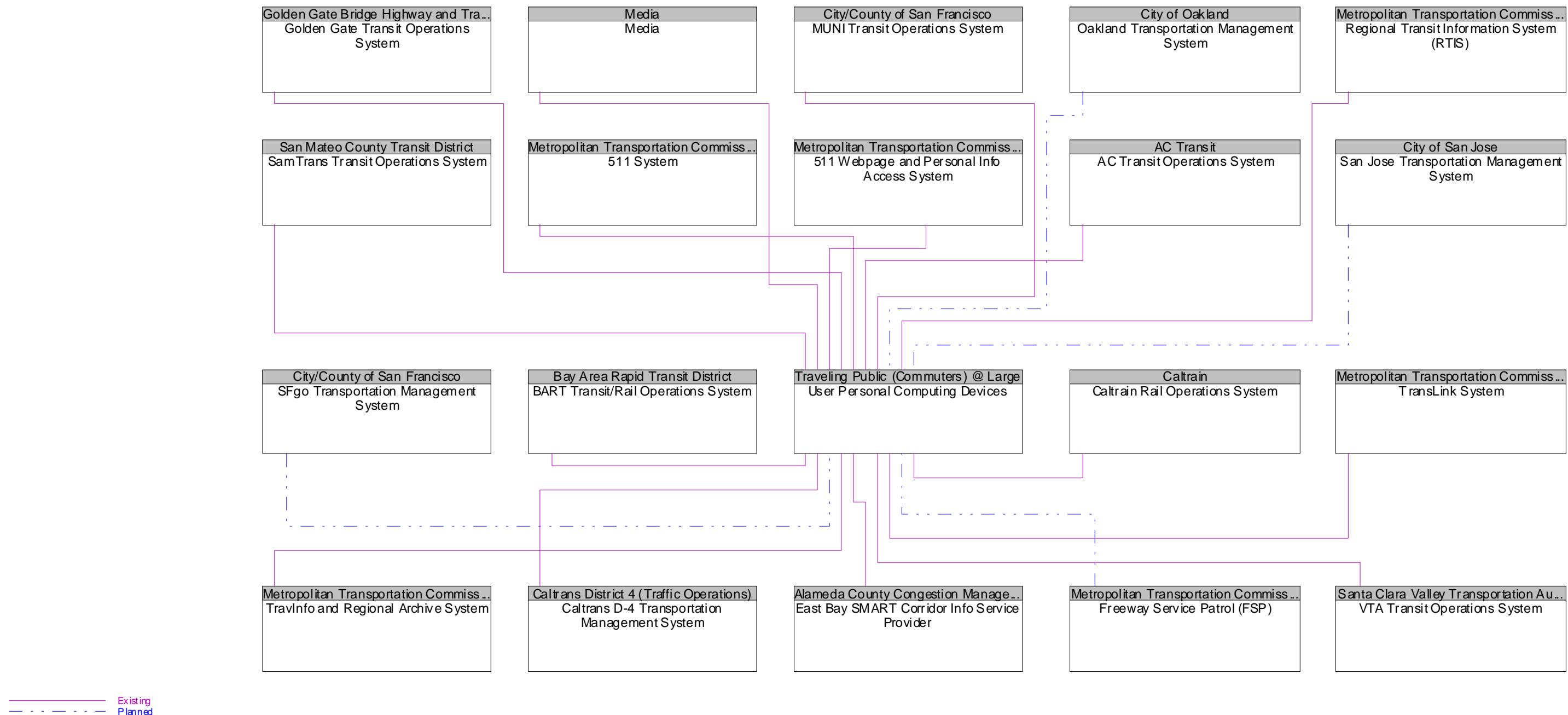
Stakeholder: **Transit Agencies**

Architecture Element: **Kiosks (transit)**

Information Flows Diagram

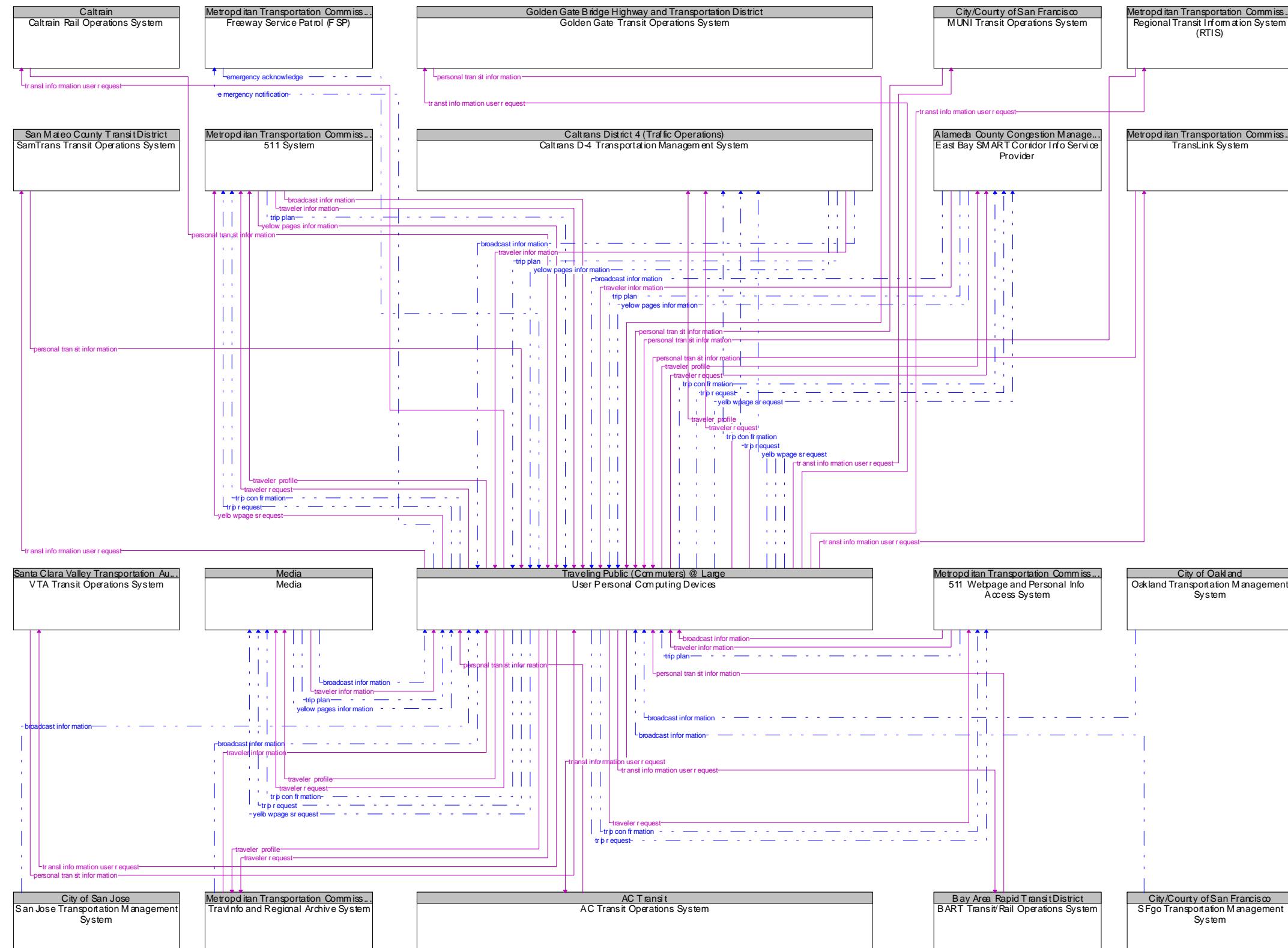


Stakeholder: **Traveling Public (Commuters) @ Large**
 Architecture Element: **User Personal Computing Devices**
Interconnect Diagram



Existing
Planned

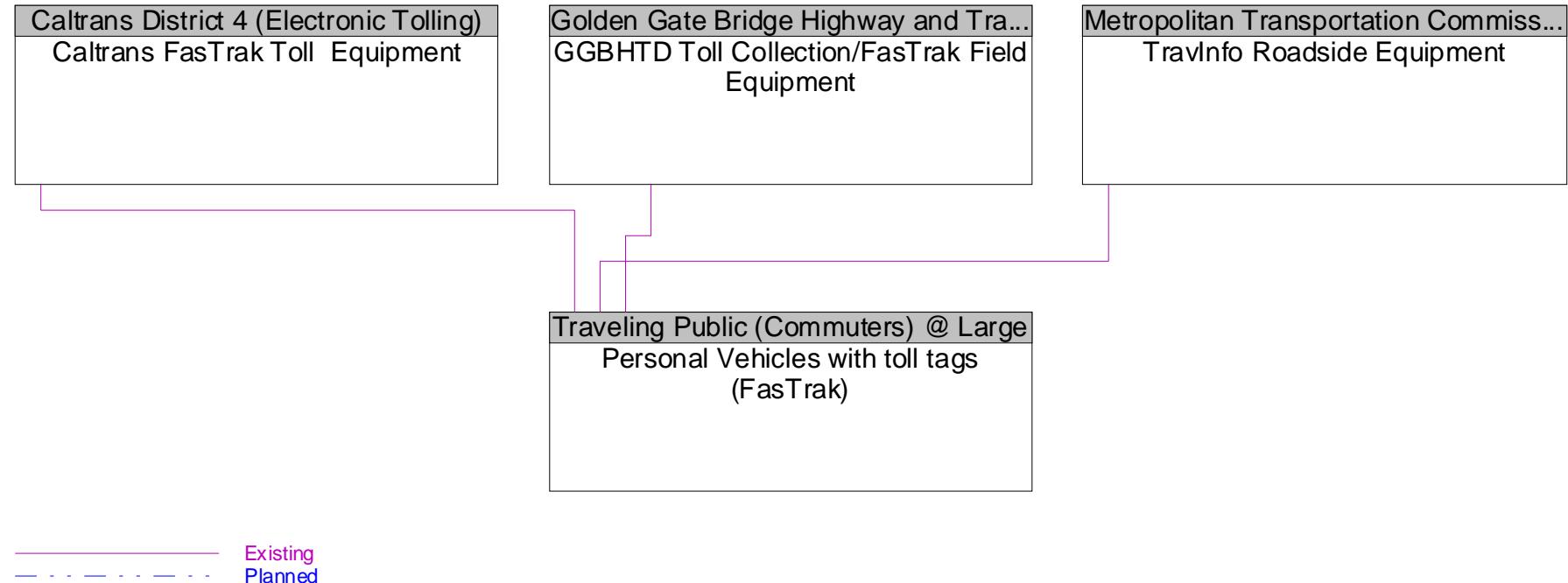
Stakeholder: **Traveling Public (Commuters) @ Large**
 Architecture Element: **User Personal Computing Devices**
Information Flows Diagram



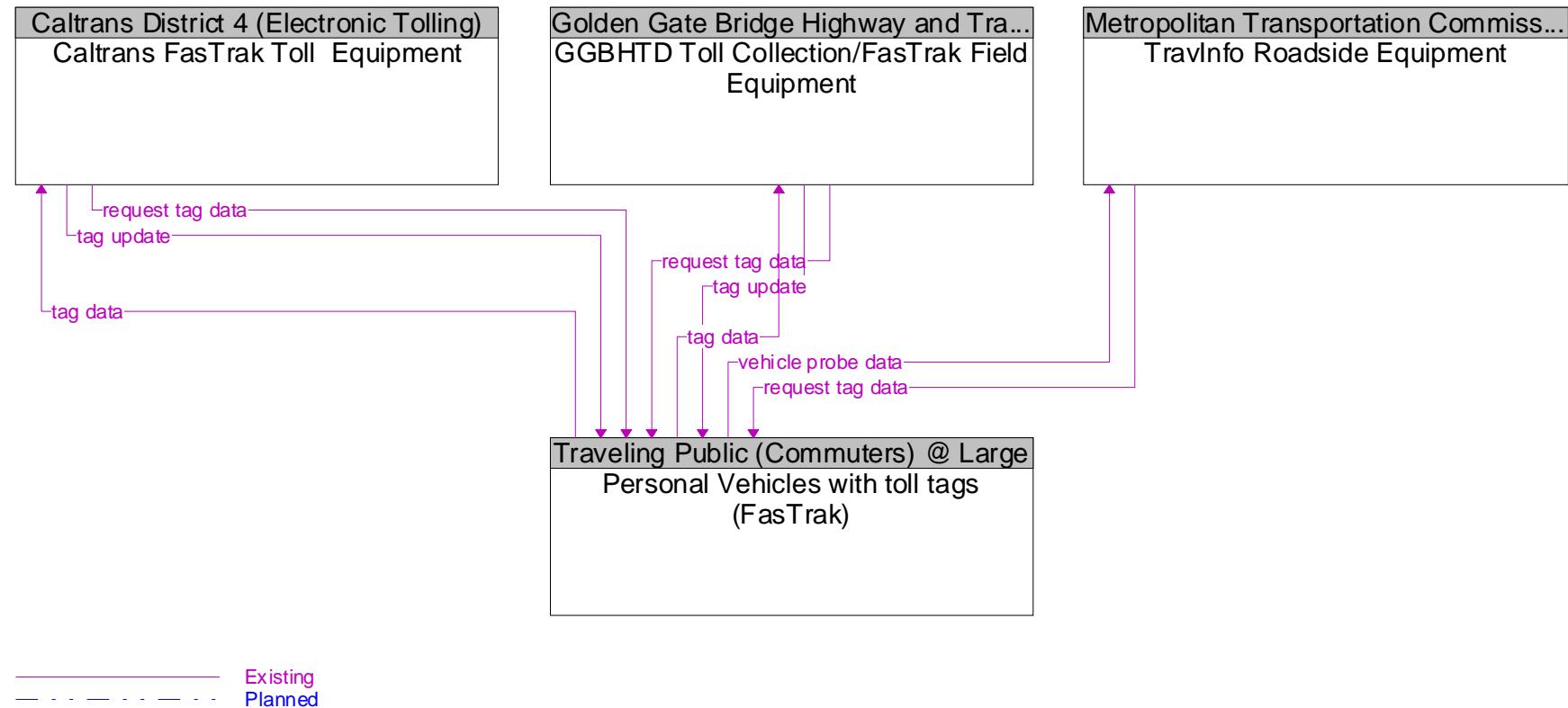
Existing
Planned

Stakeholder: **Traveling Public (Commuters) @ Large**
Architecture Element: **Personal Vehicles with toll tags (FasTrak)**

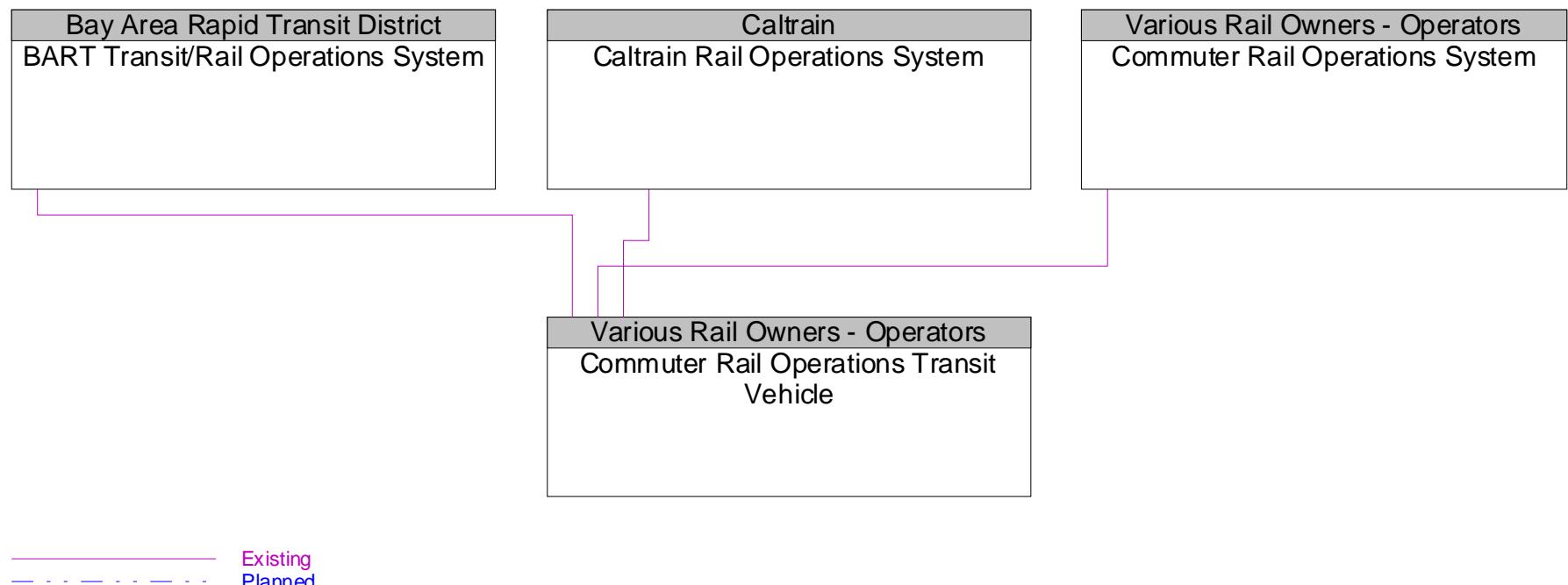
Interconnect Diagram



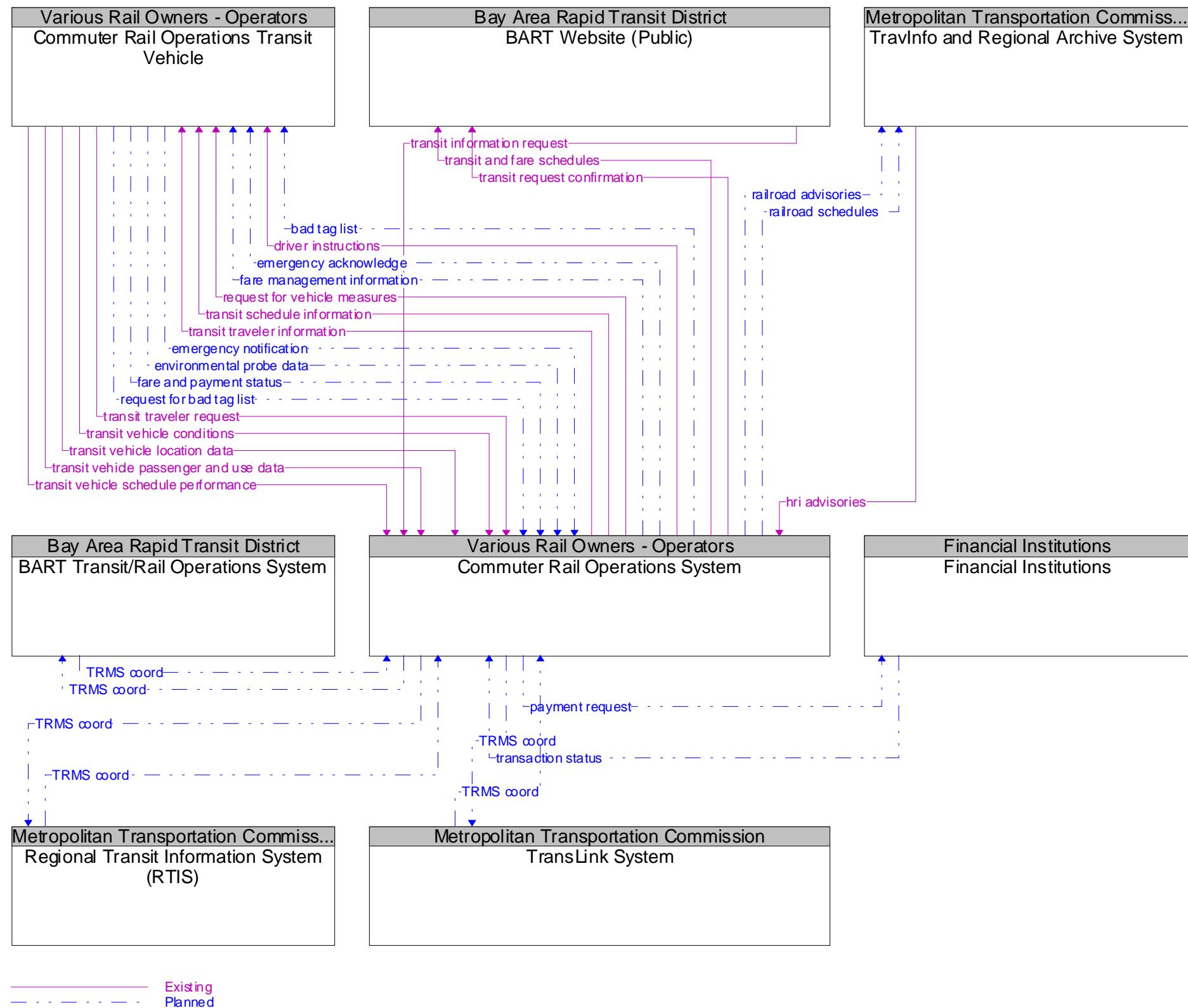
Stakeholder: **Traveling Public (Commuters) @ Large**
Architecture Element: **Personal Vehicles with toll tags (FasTrak)**
Information Flows Diagram



Stakeholder: **Various Rail Owners - Operators**
Architecture Element: **Commuter Rail Operations System**
Interconnect Diagram

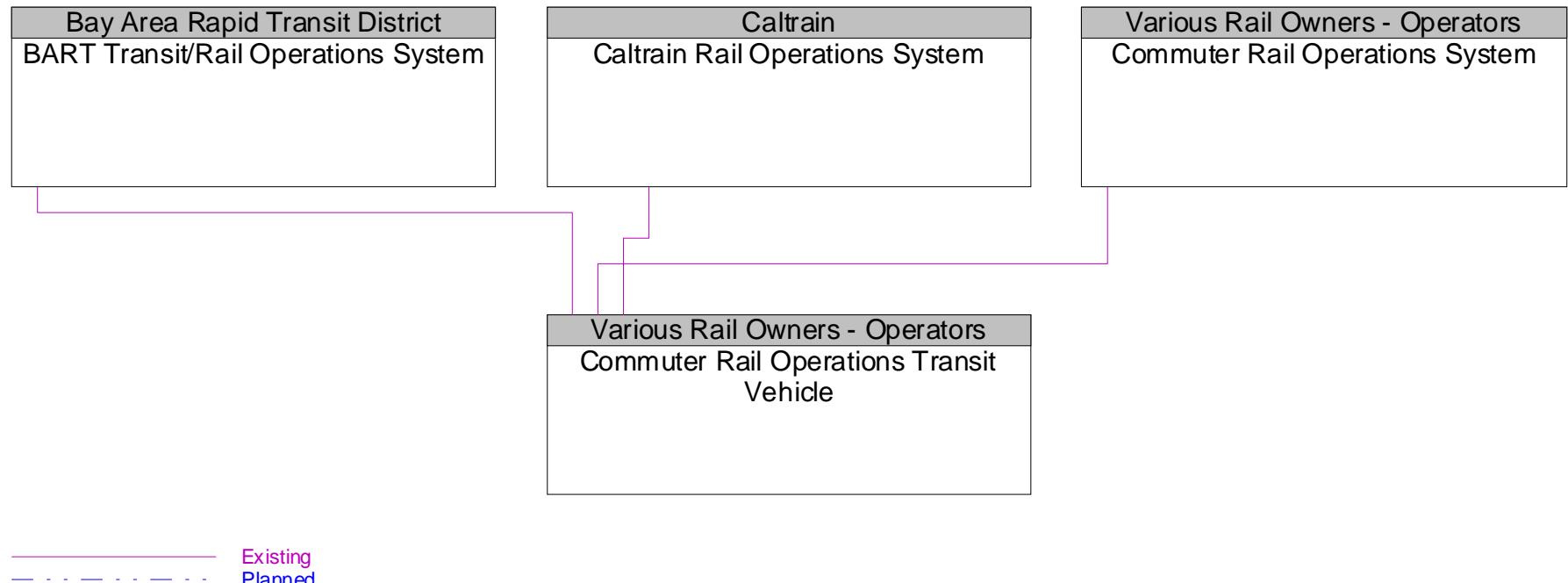


Stakeholder: **Various Rail Owners - Operators**
 Architecture Element: **Commuter Rail Operations System**
Information Flows Diagram

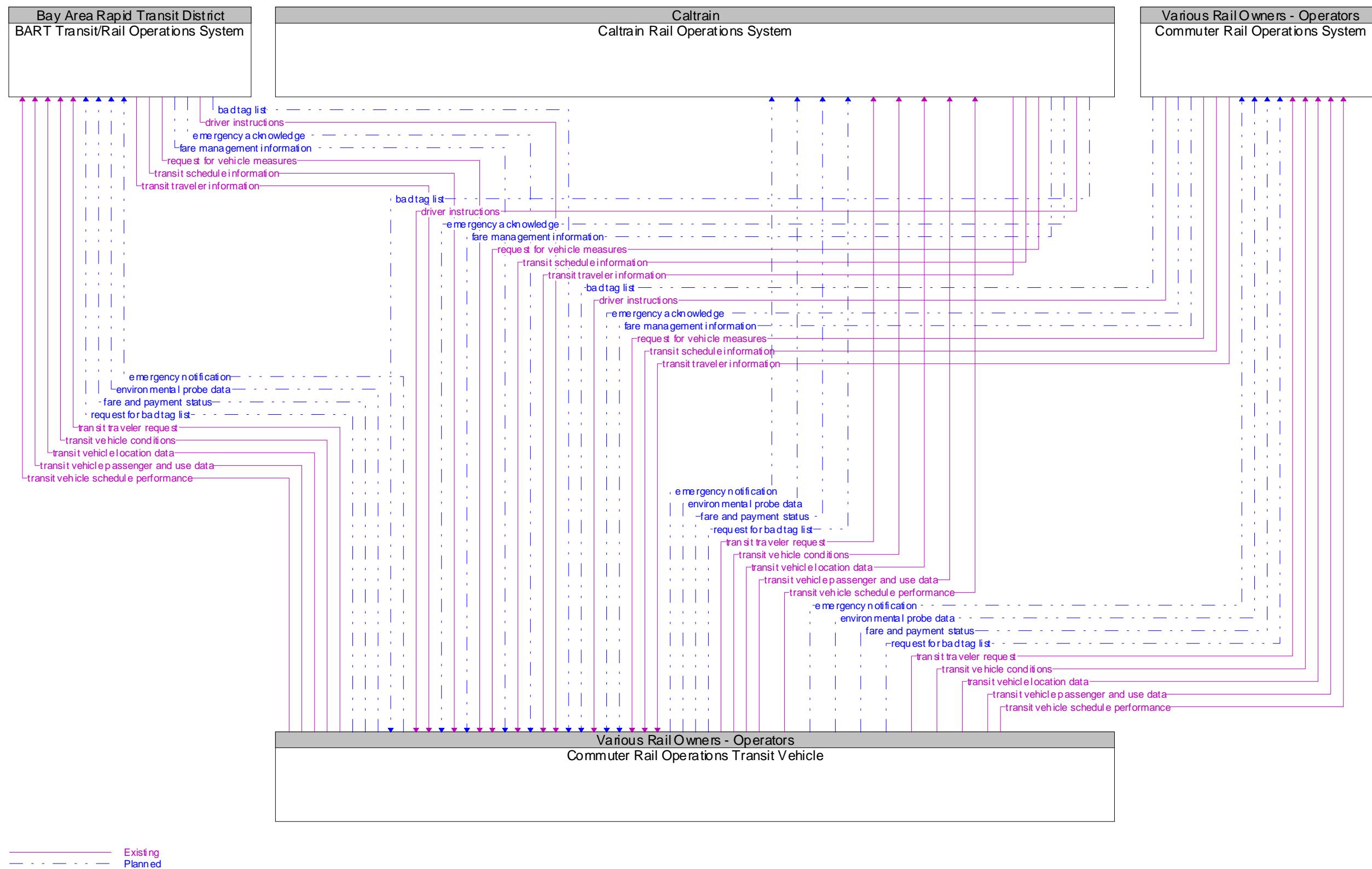


— Existing
- - - - - Planned

Stakeholder: **Various Rail Owners - Operators**
Architecture Element: **Commuter Rail Operations Transit Vehicle**
Interconnect Diagram



Stakeholder: **Various Rail Owners - Operators**
 Architecture Element: **Commuter Rail Operations Transit Vehicle**
Information Flows Diagram



bay area - interconnect & flows diagrams v7.doc